ORDER No.ACED010835C2

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CY-VMR5800N

5.8 Color LCD Monitor

SPECIFICATIONS

Specifications*

Overall System	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Current Consumption	Less than 1.5A
Usage temperature range	0°C to 40°C
Storage temperature range	-20°C to 80°C
Display Unit	
Liquid Crystal Panel	5.8” wide
Screen Dimensions	Width : 127mm
	Height : 74mm
	Diagonal : 147mm
Number of Pixels	280 800 pixels / (234 vertical × 400 horizontal ×3)
Display method	Transparent color filter format
Drive Method	TFT active matrix format
Light source	Internal light / (U-shaped, cold-cathode tube)
Output power / (Internal speaker)	1W

Speaker	**4cm round speaker**
Dimensions (W × H × D)**	**155 × 113 × 33 (mm)**
Weight**	**420g**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

● **Above specifications comply with EIA standards. /**

Panasonic

1. FEATURES

- **Wide-screen 16:9 aspect ratio is ideal for film viewing.**
- **280,800 pixels high-definition 5.8 inches large LCD monitor.**
- **TFT active matrix for accurate color reproduction.**
- **Can be connected to Panasonic mobil navigation system (CN-DV1800EN, CN-DV2000EN, etc.).**

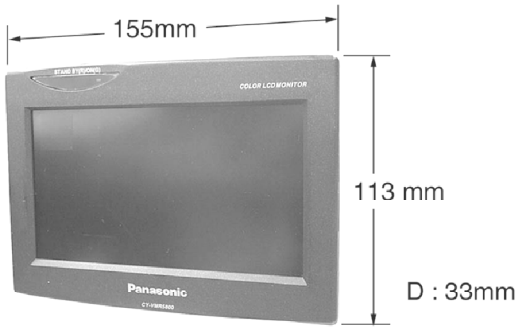
2. REPLACEING THE FUSE

Use fuses of the same specified rating (3A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to this unit.

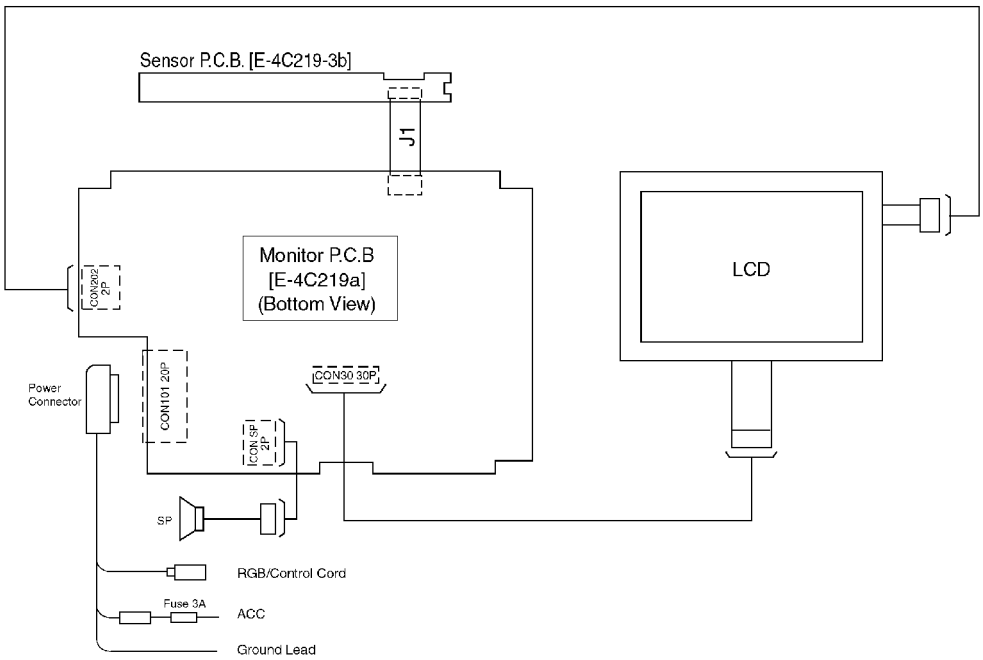
3. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

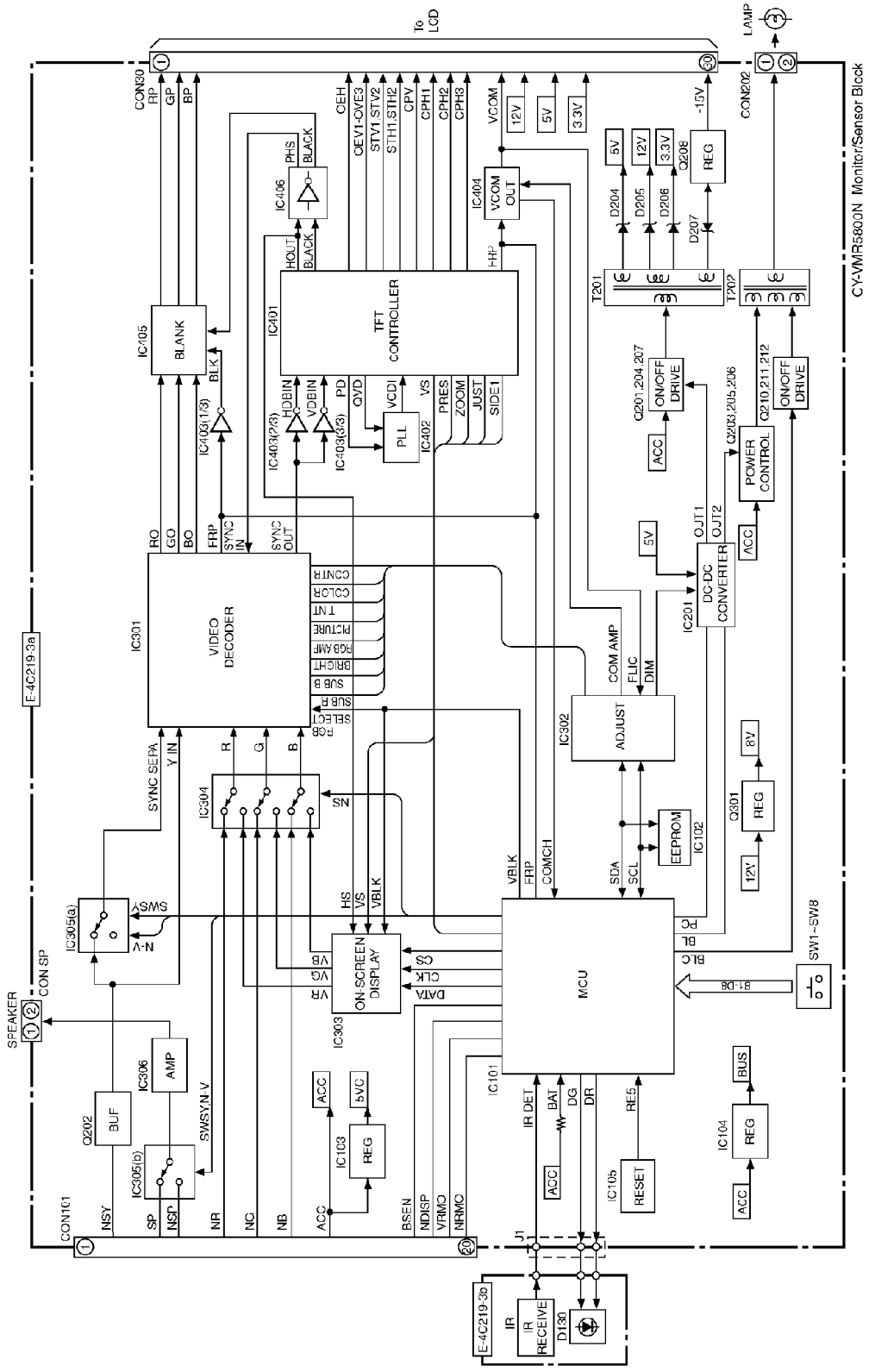
4. DIMENSIONS



5. WIRING CONNECTION



6. BLOCK DIAGRAM

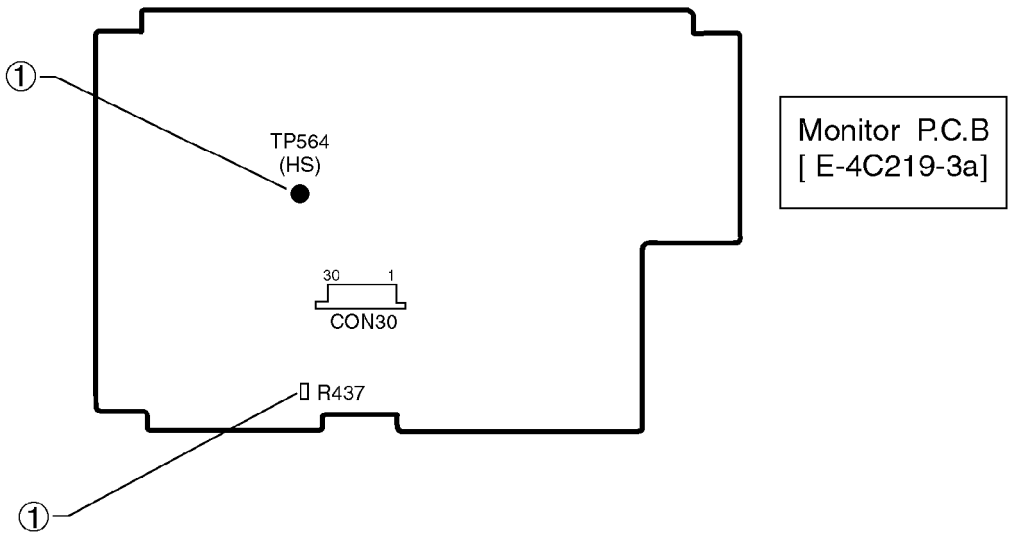


7. ADJUSTMENT PROCEDURES

7.1. MONITOR BLOCK [E-4C219-3a]

Adjustment Item	No.	Adjustment Point	Test Point	Adjustment Method	Rer
VCO	1	R437	TP564 (HDOUT)	Adjust R437 to 15,734kHz±0.02kHz	TV Sign / / /

7.2. Adjustment Points



8. TERMINALS DESCRIPTION

8.1. Monitor/Sensor Block

● IC101 : YEAM78F0058

Pin / No.	Name	Description	I/O	Vol. / (V)
1	ANI5 (NC)	-	-	-
2	ANI6	8.0V check	-	4.0
3	ANI7 (NC)	-	-	-
4	Avss	GND	-	0
5	ANO0 (NC)	-	-	-
6	ANO1	5.0V adjust for DC/DC controller	-	3.2
7	AVRef1	+5.0V	-	5.2
8	P70	Only for FLASH programming	-	1.3
9	P71	Only for FLASH programming	-	1.3
10	P72	IR receiver power supply	O	5.0
11	P20	Navi RGB/OSD RBG select	I/O	4.8
12	P21	OSD data	O	5.1
13	P22	OSD clock	O	5.0

Pin / No.	Name	Description	I/O	Vol. / (V)
14	P23	OSD chip select	O	5.1
15	P24 (NC)	-	-	1.3
16	P25	RGB/video select	I/O	0
17	P26 (NC)	-	-	-
18	P27 (NC)	-	-	-
19	P40 (NC)	-	-	-
20	P41	DAC digital supply power	O	5.1
21	P42 (NC)	-	-	-
22	P43 (NC)	-	-	-
23	P44	Back Light control ON/OFF	O	4.9
24	P45	Main Power control ON/OFF	O	5
25	P46	LED Green	O	4.8
26	P47	LED Red	O	0
27	P50	Button Power	I	-
28	P51	Button Aspect	I	-
29	P52	Button Picture	I	-
30	P53	Button Bright	I	-
31	P54	Button Menu	I	-
32	P55	Button Down	I	-
33	Vss1	GND	-	0
34	P56	Button Up	I	-
35	P57	Button Enter	I	-
36	P60	Zoom signal to TFT IC	O	0
37	P61	Just signal to TFT IC	O	0
38	P62	Side signal to TFT IC	O	3.0
39	P63	TFT IC Reset signal	O	3.4
40	P64	I2C bus data line SDA	O	4.7
41	P65	I2C bus clock line SCL	O	4.7
42	P66 (NC)	-	-	-
43	P67 (NC)	-	-	-
44	P30 (NC)	-	-	-
45	P31 (NC)	-	-	-
46	P32 (NC)	-	-	-
47	P33	NO VTR when connected to ground	I	5.1
48	P34	NO RGB when connected to ground	I	0.3
49	P35 (NC)	-	-	-
50	P36 (NC)	-	-	-
51	P37 (NC)	-	-	-
52	P120 (NC)	-	-	-
53	P121	(Video/Navi) Mute signal	O	0
54	P122	Navi Disp/Sense	I	-

Pin / No.	Name	Description	I/O	Vol. / (V)
55	P123	Navi Disp/Sense	I	0.3
56	P124	Side Brake	I	0.8
57	P125	Remote signal out	O	5.1
58	P126	Remote signal out	O	5.1
59	P127	Video/Navi Sync Select	O	0
60	RESET	To Reset IC		5.2
61	INTP0	Remote In signal	I	4.9
62	INTP1	FRP signal	I	1.7
63	INTP2	Vertical Sync (used to count frequency)	I	3.4
64	INTP3 (NC)	-	-	-
65	INTP4 (NC)	-	-	-
66	INTP5 (NC)	-	-	-
67	Vss0	GND	-	0
68	Vdd1	+5.0V	-	0
69	X2	crystal		3.3
70	X1	crystal		2.9
71	IC	Vpp for Flash IC	-	0
72	XT2 (NC)	-	-	-
73	XT1	+5.0V	-	5.0
74	Vdd0	+5.0V	-	-
75	AVref0	+5.0V	-	5.0
76	ANI0	ACC voltage check	-	2.3
77	ANI1	3.3V check	-	4.7
78	ANI2	5.0V check power supply for Video IC	-	2.9
79	ANI3	Back Light voltage check	-	4.9
80	ANI4	COM amplitude voltage check	-	4.9

● **IC401 : YEAMTC200G02**

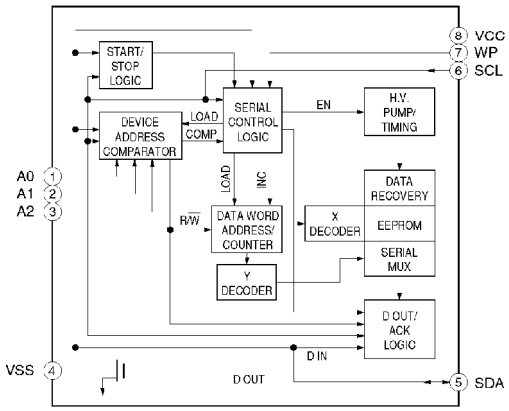
Pin / No.	Name	Description	I/O	Vol. / (V)
1	SYNCIN (NC)	-	-	-
2	HDBIN	HD input	I	3.8
3	SIDE2	SIDE2 signal input	I	0
4	SIDE1	SIDE1 signal input	I	3.0
5	VDBIN	VD input	I	3.8
6	HOUT	Horizontal SYNC signal output	O	3.2
7	VOUT	Vertical SYNC signal output	O	3.4
8	BLACK	BLK signal output	O	0.9
9	VPOS3	Vertical position3	I	3.4
10	VPOS2	Vertical position2	I	0
11	VPOS1	Vertical position1	I	0
12	ZOOM	ZOOM signal input	I	0.3
13	UD (NC)	-	-	-
14	POL	Alternately signal	O	1.7
15	INTEXT	INT/EXT selector signal	I	0
16	CPV	Gate driver clock pulse	O	0.7
17	OEV3	Gate output enable	O	0
18	OEV2	Gate output enable	O	0
19	OEV1	Gate output enable	O	0
20	STV1	Gate driver start pulse1	I/O	0
21	OEH	Source driver output enable pulse	O	0.4
22	ZOOMC (NC)	-	-	-
23	STH1	Source start pulse1	I/O	0
24	STH2	Source start pulse2	I/O	0
25	CPH3	Source driver clock pulse3	O	1.7
26	STV2	Gate driver start pulse2	I/O	0
27	CPH2	Source driver clock pulse2	O	1.8
28	RL (NC)	-	-	-
29	CPH1	Source driver clock pulse1	O	0
30	HOOT2	HOOT2 setting input	I	3.4
31	JUST	JUST signal input	I	0.5
32	POSSET	Position setting	I	3.4
33	PD	Phase comparator output	O	1.8
34	QVD	Clock	I	0
35	+3.3V	Power supply	-	3.4
36	VCOI	VCO input	I	1.7

Pin / No.	Name	Description	I/O	Vol. / (V)
37	VCOO	VCO output	O	1.7
38	GND	(Connecting to ground)	-	0
39	RESET	Reset	I	3.4
40	HOOT1	(Connecting to ground)	-	0
41	UONS	Screen enlargement signal	I	0
42	HPOS4	Horizontal position4	I	0
43	HPOS3	Horizontal position3	-	0
44	HPOS2	Horizontal position2	-	3.4
45	HPOS1	Horizontal position1	-	0
46	PN1	(Connecting to ground)	-	0
47	+3.3V	Power supply	-	3.4
48	GND	Ground	-	0

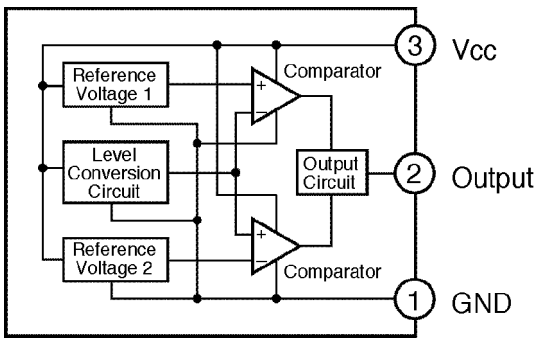
9. PACKAGE AND IC BLOCK DIAGRAM

9.1. Monitor Block

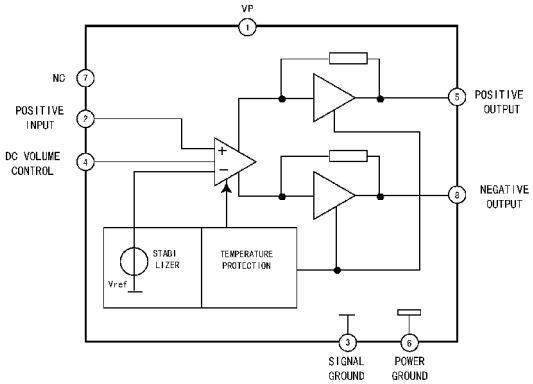
IC102 : YEAMS24C01A



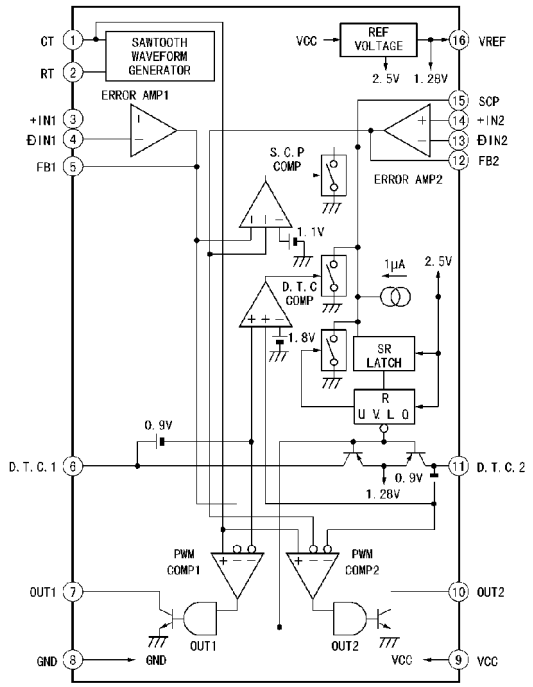
IC105 : MN13821TTX



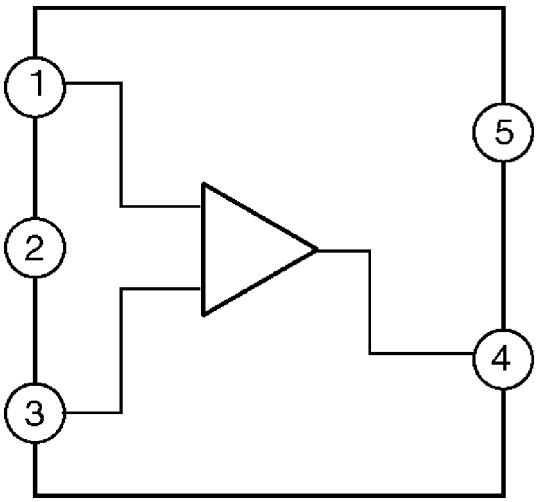
IC404 : YEAMTDA7052AT



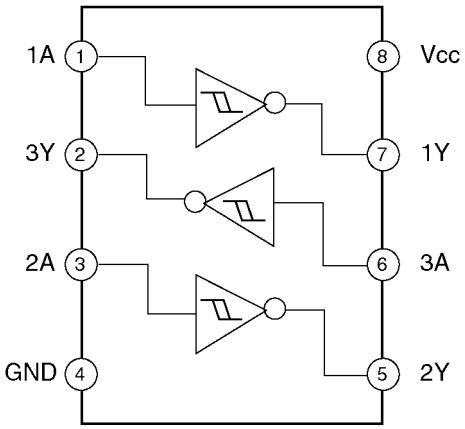
IC201 : YEAMMB3775FP



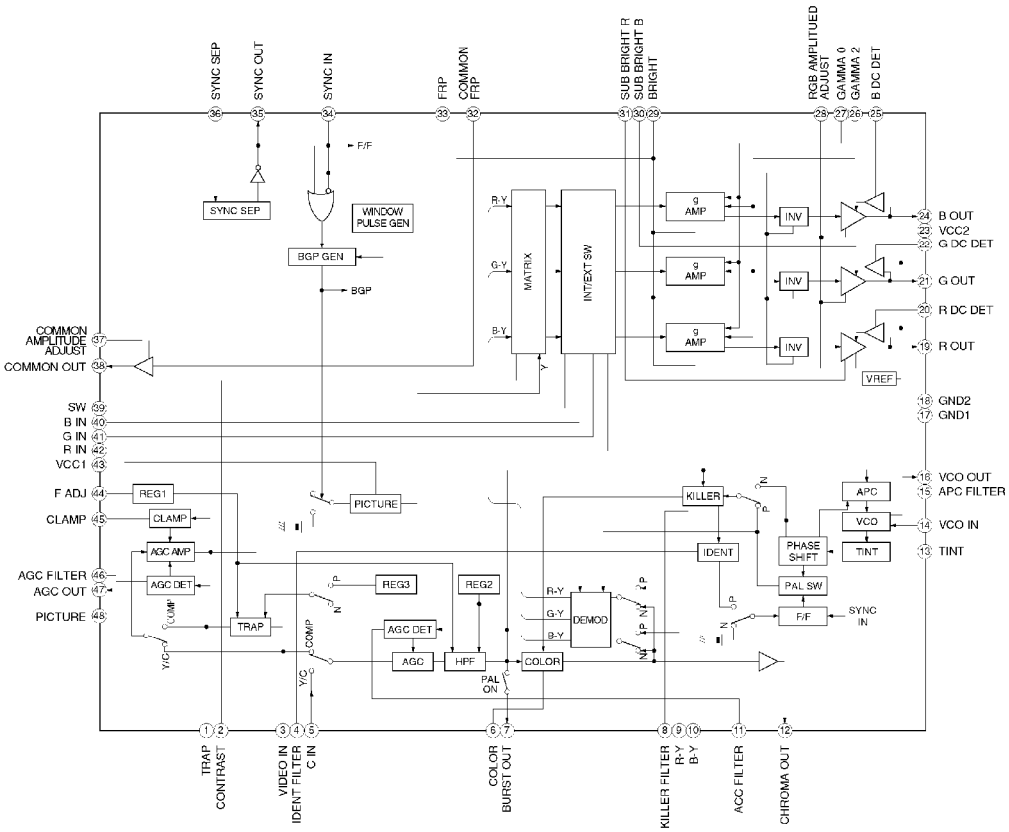
IC402 : YEAMM2107FT1



IC403,406 : YEAMTC7W14UL

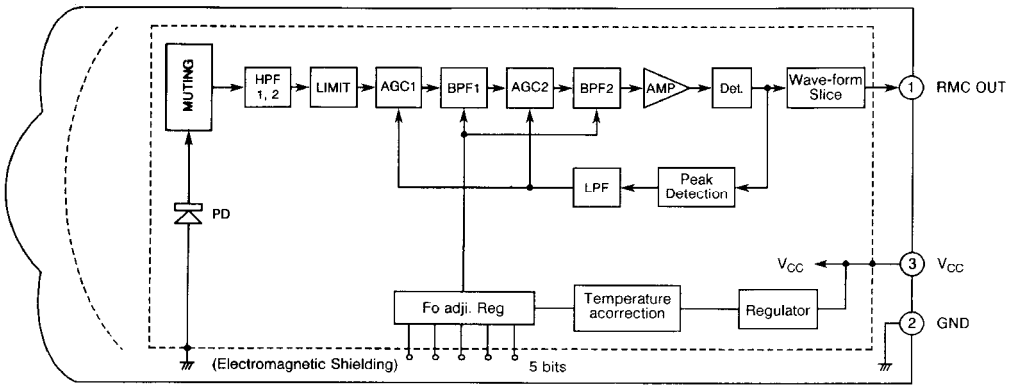


IC301 : YEAMIR3Y29BM



9.2. Sensor Block

IR : YEAMSBX8035F



10. REPLACEMENT PARTS LIST

Notes:

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. / When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a load map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item.After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
5. **"T" marks in remarks column are indicated supply parts of TAMACO**

Ref. No.	Part No.	Part Name & Description	Remarks
MONITOR BLOCK			
IC AND TRANSISTORS			
IC101	YEAM78F0058	IC	T
IC102	YEAMS24C01A	IC	
IC103	YEAMBA178M05	IC	T
IC104	YEAMBA178M05	IC	T
IC105	MN1382QTX	IC	T
IC201	YEAMMB3775FP	IC	
IC301	YEAMIR3Y29BM	IC	
IC302	YEAMUPD6222GSB	IC	T
IC303	YEAM6466551	IC	T
IC304	YEAMTC4053FT	IC	T
IC305	YEAMTC4053FT	IC	T
IC306	YEAMTDA7052ATB	IC	T
IC401	YEAMTC200G02	IC	
IC402	YEAMM2107FT1	IC	
IC403	YEAMTC7W14UL	IC	
IC404	YEAMTDA7052ATB	IC	T
IC405	YEAMTC4053FT	IC	T
IC406	YEAMTC7W14UL	IC	
Q201	2SB709TX	Transistor	
Q202	2SD601R	Transistor	T
Q203	2SB709TX	Transistor	
Q204	2SD601R	Transistor	T
Q205	2SD601R	Transistor	T
Q206	2SB1572T1	Transistor	T
Q207	2SB1572T1	Transistor	T
Q208	2SD601R	Transistor	T
Q210	2SD601R	Transistor	T
Q211	2SD2403T1	Transistor	T
Q212	2SD2403T1	Transistor	T
Q301	YEANIMZ1TX	Transistor	T
DIODES			
D101	YEAD1N5404UT	Diode	
D102	YEADUDZS68BT	Diode	T
D103	YEADUDZS68BT	Diode	T
D104	YEADUDZS68BT	Diode	T
D106	YEADUDZS68BT	Diode	T
D107	YEADUDZS68BT	Diode	T
D109	YEADUDZS68BT	Diode	T
D111	YEADUDZS68BT	Diode	T
D112	YEADUDZ130BT	Diode	T
D113	YEADUDZ130BT	Diode	T
D114	YEADUDZ130BT	Diode	T
D115	YEADUDZ130BT	Diode	T
D117	YEADUDZ130BT	Diode	T
D118	YEADUDZ130BT	Diode	T
D121	YEAD1SS355T1	Diode	
D122	YEAD1SS355T1	Diode	
D201	YEAD1SS355T1	Diode	
D202	YEAD1SS355T1	Diode	
D203	YEADSS14VZ	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D204	YEADSS14VZ	Diode	
D205	YEADSS14VZ	Diode	
D206	YEADSS14VZ	Diode	
D207	YEADRB501VT	Diode	T
D208	YEADUDZ130BT	Diode	T
D401	MA338	Diode	
D422	YEAD1SS355T1	Diode	
D423	YEAD1SS355T1	Diode	
D424	YEADUDZ33BT	Diode	T
D425	YEADUDZ33BT	Diode	T
D426	YEADUDZ33BT	Diode	T
D502	YEAD1SS355T1	Diode	
CAPACITORS			
C103	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C104	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C105	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C111	ECUV1H102KBV	Ceramic, 1000pF 50WV	T
C112	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C113	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C114	ECUV1H102KBV	Ceramic, 1000pF 50WV	T
C121	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C122	ECUV1C225KBM	Ceramic, 2.2MFD 16WV	T
C123	ECEA0JKS101I	Electrolytic, 100MFD 6.3WV	
C124	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C126	ECUV1C225KBM	Ceramic, 2.2MFD 16WV	T
C128	YECUU1H475KX	Tantalume, 4.7MFD 50WV	T
C130	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C131	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C132	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C140	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C141	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C146	ECEA1CU471B	Electrolytic, 470MFD 16WV	
C153	ECEA1EKA4R7B	Electrolytic, 4.7MFD 25WV	T
C201	ECUV1H103KBV	Ceramic, 0.01MFD 50WV	T
C202	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C203	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C204	ECUV1H391KBV	Ceramic, 390pF 50WV	T
C205	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C206	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C207	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C208	ECUV1H103KBV	Ceramic, 0.01MFD 50WV	T
C209	YECUU1H475KX	Tantalume, 4.7MFD 50WV	T
C210	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C211	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C212	ECEA1CU471B	Electrolytic, 470MFD 16WV	
C213	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C214	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C215	ECUV1H222KBV	Ceramic, 2200pF 50WV	T
C216	ECEA1AKS221I	Electrolytic, 220MFD 10WV	
C217	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C218	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C221	EEAFC0J101H	Electrolytic, 100MFD 6.3WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C222	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C223	EEUFC0J471B	Electrolytic, 470MFD 6.3WV	T
C224	YECUU1H475KX	Tantalume, 4.7MFD 50WV	T
C226	YECUU1H475KX	Tantalume, 4.7MFD 50WV	T
C227	EEUFC1C101H	Electrolytic, 100MFD 16WV	T
C228	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C230	YECUU1H475KX	Tantalume, 4.7MFD 50WV	T
C231	EEUFC0J101H	Electrolytic, 100MFD 6.3WV	
C232	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C234	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C235	EEUFC1C101H	Electrolytic, 100MFD 16WV	T
C236	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C237	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C242	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C243	ECUV1H150JCV	Ceramic, 15pF 50WV	T
C244	ECUV1H150JCV	Ceramic, 15pF 50WV	T
C245	GHM2145B104M	Ceramic, 0.1MFD 250WV	T
C276	ECCS3F220KG	Ceramic, 22pF 3kWV	T
C301	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C302	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C305	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C306	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C307	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C309	ECUV1C473KBV	Ceramic, 0.047MFD 16WV	T
C310	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C311	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C312	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C313	ECUV1H103KBV	Ceramic, 0.01MFD 50WV	T
C314	ECUV1H080DCV	Ceramic, 8pF 50WV	T
C315	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C316	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C317	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C318	ECEA1CKS101I	Electrolytic, 100MFD 16WV	
C319	ECUV1H682KBV	Ceramic, 6800pF 50WV	T
C320	ECEA1AU221I	Electrolytic, 220MFD 10WV	T
C321	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C323	ECUV1H271JCV	Ceramic, 270pF 50WV	T
C327	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C328	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C329	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C330	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C331	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C332	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C333	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C334	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C340	ECEA1CKS470I	Electrolytic, 47MFD 16WV	
C341	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C344	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C345	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C346	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C347	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C350	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C362	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C363	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T

Ref. No.	Part No.	Part Name & Description	Remarks
C364	ECUV1H102KBV	Ceramic, 1000pF 50WV	T
C369	YECSV1CM226R	Electrolytic, 22MFD 16WV	T
C401	ECUV1H101KBV	Ceramic, 100pF 50WV	T
C402	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C404	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C405	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C406	ECUV1H561KBV	Ceramic, 560pF 50WV	T
C407	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C408	ECUV1H680JCV	Ceramic, 68pF 50WV	T
C409	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C410	ECUV1H102KBV	Ceramic, 1000pF 50WV	T
C411	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C412	ECUV1H241KBV	Ceramic, 240pF 50WV	T
C414	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C415	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C416	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C417	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C418	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C419	ECUV1H470JCV	Ceramic, 47pF 50WV	T
C420	ECUV1C105ZFN	Ceramic, 1MFD 16WV	T
C421	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C422	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C423	YECUU1E106ZF	Tantalume, 10MFD 25WV	T
C424	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C425	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C426	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C427	ECUV1H222KBV	Ceramic, 2200pF 50WV	T
C430	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C501	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
C502	ECUV1H103KBV	Ceramic, 0.01MFD 50WV	T
C508	ECUV1C104ZFV	Ceramic, 0.1MFD 16WV	T
RESISTORS			
R1	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R2	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R3	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R4	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R5	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R7	ERJ12Y0R00H	Chip, 0 ohms 1/2W	
R103	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R104	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R105	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R106	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R108	ERJ3GEYJ203V	Chip, 20k ohms 1/16W	
R109	ERJ3GEYJ203V	Chip, 20k ohms 1/16W	
R111	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R112	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R115	ERJ6GEYJ510V	Chip, 51 ohms 1/10W	
R116	ERJ3GEYJ221V	Chip, 220 ohms 1/16W	
R117	ERJ3GEYJ203V	Chip, 20k ohms 1/16W	
R119	ERJ3GEYJ121V	Chip, 120 ohms 1/16W	
R120	ERJ3GEYJ121V	Chip, 120 ohms 1/16W	
R121	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R122	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R123	ERJ3GEYJ153V	Chip, 15k ohms 1/16W	
R126	ERJ3GEYJ121V	Chip, 120 ohms 1/16W	
R127	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R128	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R129	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R130	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R131	ERJ3GEYJ301V	Chip, 300 ohms 1/16W	T
R132	ERJ3GEYJ301V	Chip, 300 ohms 1/16W	T
R133	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
R134	ERJ3GEYJ104V	Chip, 100k ohms 1/16W	
R140	ERJ3ENF4702V	Chip, 47k ohms 1/16W	T
R141	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R143	ERJ3ENF2002V	Chip, 20k ohms 1/16W	T
R144	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R146	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R200	ERJ3GEYJ752V	Chip, 7.5k ohms 1/16W	
R201	ERJ3ENF3301V	Chip, 3.3k ohms 1/16W	T
R202	ERJ3ENF9100V	Chip, 910 ohms 1/16W	T
R203	ERJ3GEYJ822V	Chip, 8.2k ohms 1/16W	
R204	ERJ3GEYJ393V	Chip, 39k ohms 1/16W	
R205	ERJ3GEYJ333V	Chip, 33k ohms 1/16W	
R206	ERJ3GEYJ333V	Chip, 33k ohms 1/16W	
R208	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R209	ERJ3GEYJ153V	Chip, 15k ohms 1/16W	
R210	ERJ3GEYJ562V	Chip, 5.6k ohms 1/16W	
R211	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R212	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R213	ERJ3GEYJ683V	Chip, 68k ohms 1/16W	
R214	ERJ3GEYJ683V	Chip, 68k ohms 1/16W	
R215	ERJ12YJ0R33H	Chip, 0.33 ohms 1/2W	T
R217	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R218	ERJ3GEYJ301V	Chip, 300 ohms 1/16W	T
R219	ERJ3GEYJ301V	Chip, 300 ohms 1/16W	T
R200	ERJ3ENF7501V	Chip, 7.5k ohms 1/16W	
R220	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R221	ERJ12YJ0R33H	Chip, 0.33 ohms 1/2W	T
R222	ERJ3GEYJ182V	Chip, 1.8k ohms 1/16W	
R223	ERJ3GEYJ182V	Chip, 1.8k ohms 1/16W	
R224	ERJ3GEYJ220V	Chip, 22 ohms 1/16W	
R225	ERJ3GEYJ220V	Chip, 22 ohms 1/16W	
R226	ERJ3GEYJ561V	Chip, 560 ohms 1/16W	
R227	ERJ3GEYJ561V	Chip, 560 ohms 1/16W	
R228	ERJ6GEYJ100	Chip, 10 ohms 1/10W	
R229	ERJ3GEYJ223V	Chip, 22k ohms 1/16W	
R230	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R231	ERJ3ENF1501V	Chip, 1.5k ohms 1/16W	
R232	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R233	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R234	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R235	ERJ3GEYJ561V	Chip, 560 ohms 1/16W	
R240	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R301	ERJ3GEYJ123V	Chip, 12k ohms 1/16W	
R302	ERJ3GEYJ473V	Chip, 47k ohms 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R307	ERJ3GEYJ155V	Chip, 1.5M ohms 1/16W	
R308	ERJ3GEYJ105V	Chip, 1M ohms 1/16W	
R309	ERJ3GEYJ562V	Chip, 5.6k ohms 1/16W	
R310	ERJ3GEYJ822V	Chip, 8.2k ohms 1/16W	
R311	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R312	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R313	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R314	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R315	ERJ3GEYJ183V	Chip, 18k ohms 1/16W	
R317	ERJ3GEYJ153V	Chip, 15k ohms 1/16W	
R319	ERJ3GEYJ561V	Chip, 560 ohms 1/16W	
R320	ERJ3GEYJ514V	Chip, 510k ohms 1/16W	
R323	ERJ3ENF1501V	Chip, 1.5k ohms 1/16W	T
R324	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R325	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R326	ERJ3ENF4701V	Chip, 4.7k ohms 1/16W	T
R328	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R329	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R330	ERJ3ENF6201V	Chip, 6.2k ohms 1/16W	T
R331	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R332	ERJ3ENF1002V	Chip, 10k ohms 1/16W	T
R339	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R340	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R342	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R343	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R344	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R345	ERJ3GEYJ221V	Chip, 220 ohms 1/16W	
R346	ERJ3GEYJ221V	Chip, 220 ohms 1/16W	
R347	ERJ3GEYJ221V	Chip, 220 ohms 1/16W	
R348	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R349	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R350	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R351	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R352	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R353	ERJ3GEYJ473V	Chip, 47k ohms 1/16W	
R354	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R355	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R356	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R357	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R358	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R359	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R362	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R363	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R401	ERJ3GEYJ512V	Chip, 5.1k ohms 1/16W	
R402	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R403	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R404	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R405	ERJ3GEYJ472V	Chip, 4.7k ohms 1/16W	
R406	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R407	ERJ3GEYJ683V	Chip, 68k ohms 1/16W	
R408	ERJ3GEYJ105V	Chip, 1M ohms 1/16W	
R409	ERJ3GEYJ683V	Chip, 68k ohms 1/16W	
R410	ERJ3GEYJ393V	Chip, 39k ohms 1/16W	
R411	ERJ3GEYJ474V	Chip, 470k ohms 1/16W	

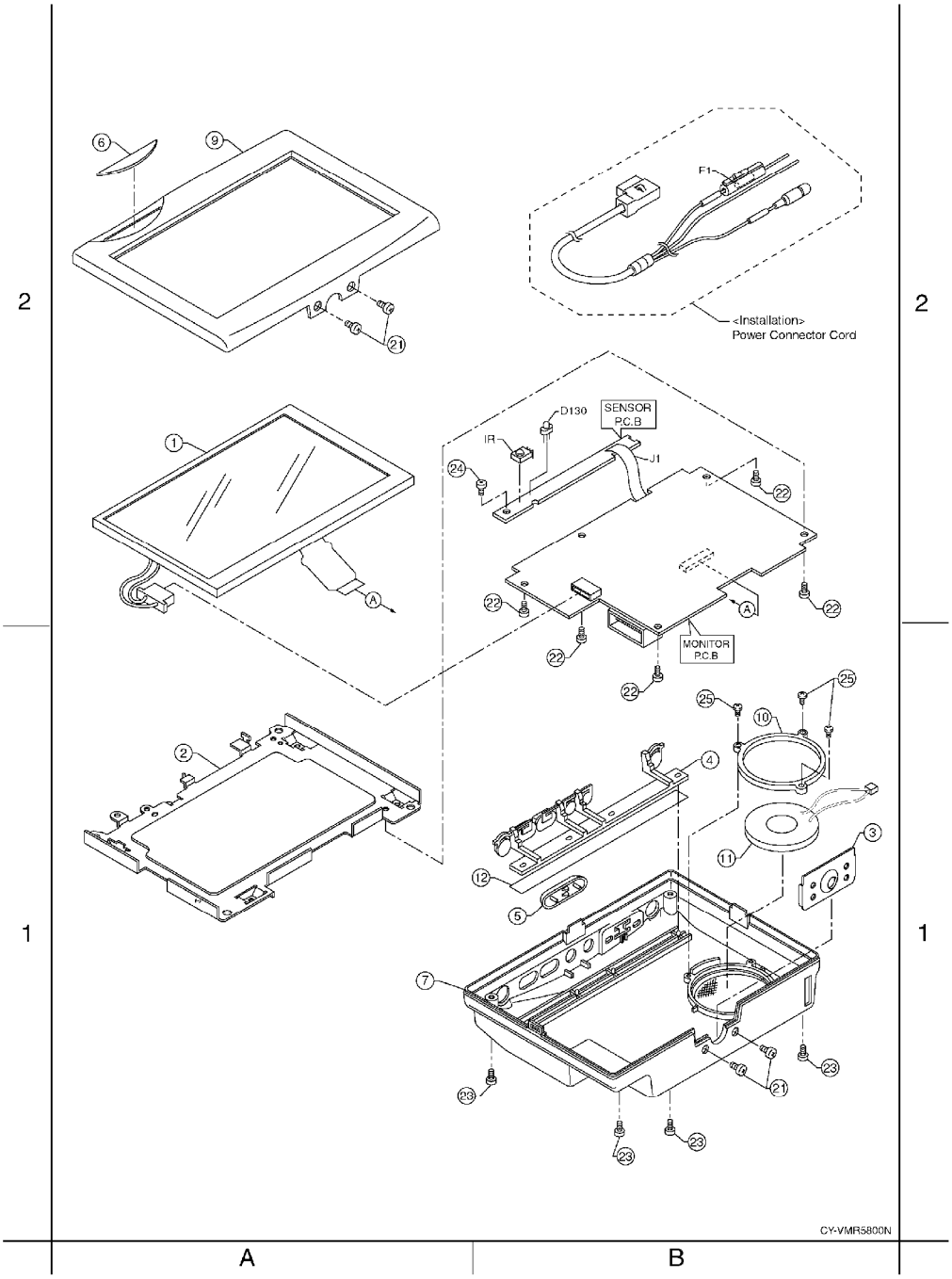
Ref. No.	Part No.	Part Name & Description	Remarks
R412	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R413	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R416	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R417	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R418	ERJ3GEYJ473V	Chip, 47k ohms 1/16W	
R419	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R420	ERJ3GEYJ302V	Chip, 3k ohms 1/16W	
R421	ERJ3GEYJ302V	Chip, 3k ohms 1/16W	
R422	ERJ3GEYJ752V	Chip, 7.5k ohms 1/16W	
R423	ERJ3GEYJ752V	Chip, 7.5k ohms 1/16W	
R424	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R425	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R426	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R427	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R428	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R429	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R430	ERJ3GEYJ470V	Chip, 47 ohms 1/16W	
R431	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R432	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R434	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R435	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R436	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R437	ERJ3GEYJ472V	Chip, 4.7k ohms 1/16W	
R438	ERJ3GEYJ203V	Chip, 20k ohms 1/16W	
R439	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R440	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R441	ERJ3GEYJ561V	Chip, 560 ohms 1/16W	
R442	ERJ3GEYJ302V	Chip, 3k ohms 1/16W	
R443	ERJ3GEYJ473V	Chip, 47k ohms 1/16W	
R444	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R445	ERJ3ENF2002V	Chip, 20k ohms 1/16W	T
R446	ERJ3GEYJ103V	Chip, 10k ohms 1/16W	
R448	ERJ3GEYJ222V	Chip, 2.2k ohms 1/16W	
R449	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R450	ERJ3GEYJ122V	Chip, 1.2k ohms 1/16W	
R451	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R452	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R501	ERJ3GEYJ104V	Chip, 100k ohms 1/16W	
R504	ERJ6GEYJ100	Chip, 10 ohms 1/10W	
R505	ERJ3GEYJ104V	Chip, 100k ohms 1/16W	
R506	ERJ3GEYJ104V	Chip, 100k ohms 1/16W	
R510	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R512	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R513	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R514	ERJ3GEYJ102V	Chip, 1k ohms 1/16W	
R515	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
R516	ERJ3GEYJ101V	Chip, 100 ohms 1/16W	
F101	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F104	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F105	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F106	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F107	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F108	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F109	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
F111	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F120	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
F422	ERJ3GEY0R00V	Chip, 0 ohms 1/16W	
FILTERS			
F112	VLP0321A601T		T
F113	VLP0321A601T		T
F121	FBK1608HM102	Chip, 1000pF	T
F122	FBK1608HM102	Chip, 1000pF	T
F123	FBK1608HM102	Chip, 1000pF	T
F124	FBK1608HM102	Chip, 1000pF	T
F201	FBK1608HM102	Chip, 1000pF	T
F202	FBK1608HM102	Chip, 1000pF	T
F203	FBK1608HM102	Chip, 1000pF	T
F205	FBK1608HM102	Chip, 1000pF	T
F406	FBK1608HM102	Chip, 1000pF	T
F409	FBK1608HM102	Chip, 1000pF	T
F410	FBK1608HM102	Chip, 1000pF	T
F411	FBK1608HM102	Chip, 1000pF	T
F413	FBK1608HM102	Chip, 1000pF	T
F414	FBK1608HM102	Chip, 1000pF	T
F415	FBK1608HM102	Chip, 1000pF	T
F416	FBK1608HM102	Chip, 1000pF	T
F417	FBK1608HM102	Chip, 1000pF	T
F418	FBK1608HM102	Chip, 1000pF	T
F419	FBK1608HM102	Chip, 1000pF	T
F421	FBK1608HM102	Chip, 1000pF	T
F423	FBK1608HM102	Chip, 1000pF	T
VARIABLE RESISTORS			
VR400	EVM3YSX50B14	Variable Registor, 10k	
CONNECTORS			
CON101	YEAE4CCON021	Connector, 20P	T
CON202	YEAE4CCON019	Connector, 2P	T
CON30	YEAESFV30R1E	Connector, 30P	T
CON SP	YEAE4CCON025	Connector, 2P	T
CRYSTALS			
X101	YEXL4C419TT	Crystal	T
XL1	YEXL49FW3579	Crystal	
COILS			
L101	YETQ012G126	Coil	
L205	YELQ10S101M	Coil	
L206	YELQ10S101M	Coil	
L403	YELT03N100JT	Coil	
L122	YELT03N101JT	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L202	YELT03N101JT	Coil	
L203	YELT03N101JT	Coil	
L302	YELT03N101JT	Coil	
L121	YELT03N221JT	Coil	
L401	YELT03N2R2T	Coil	T
L301	YELT03N470JT	Coil	
L201	YELTH4N101KT	Coil	T
L207	YETQ024C047V	Coil	T
TRANSFORMER			
T201	ETJ11K49AM	Transformer, DC/DC	
T202	ETJ18K50AM	Transformer, Inverter	T
SWITCHES			
SW1	YEAS094C031	Switch	T
SW2	YEAS094C031	Switch	T
SW3	YEAS094C031	Switch	T
SW4	YEAS094C031	Switch	T
SW5	YEAS094C031	Switch	T
SW6	YEAS094C031	Switch	T
SW7	YEAS094C031	Switch	T
SW8	YEAS094C031	Switch	T
SENSOR BLOCK			
IC AND TRANSISTORS			
IR	YEAMSBX8035F	IC	
DIODES			
D130	YEADSPR325MV	LED	T
ACCESSORIES			
PRINTINGS			
	YFM284C352ZA	Operating Instructions	T
INSTALLATION PARTS			
	YEAE4CDIN118	Power Connector Ass'y	T
MISCELLANEOUS			
F1	XBB1F30NR5	Fuse, 3A	⚠
J1	YEAE085350	PCB Line	T
1	EDTCA39QBFZ1	LCD Unit	T
2	FX0214C282ZB	TFT Bracket	T
3	FX0214C284ZA	Plate	T
4	TBXA20501	Button (A)	T
5	TBXA20701	Button (B)	T
6	TKPA30301	Sensor Cover	

Ref. No.	Part No.	Part Name & Description	Remarks
7	YFC024C540ZA	Rear Cover	T
9	YFC024C553ZA	Front Cover	T
10	FX0214C283ZA	Bracket, Speaker	T
11	YCJ04P841ZA	Speaker	T
12	YFX994C078ZA	Tape	T
21	XSB2+4FZ	Screw	
22	XSB26+J6FN	Screw	
23	XTN26+10GFZ	Screw	T
24	XSB26+4FX	Screw	
24	XTB26+6GFZ	Screw, Speaker	

11. EXPLODED VIEW



12. WIRING DIAGRAM

12.1. Monitor/Sensor Block (Top View)

12.2. Monitor/Sensor Block (Bottom View)

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

13. SCHEMATIC DIAGRAM

13.1. Connector/Audio Block

13.2. Power Supply/Back Light Block

13.3. Video Decoder/OSD Block

13.4. Panel Driver Block

13.5. MCU/EEPROM Block, Sensor Block

14. SCHEMATIC DIAGRAM for Printing with Letter Size

14.1. Connector/Audio Block (Left Side)

14.2. Connector/Audio Block (Right Side)

14.3. Power Supply/Back Light Block (Left Side)

14.4. Power Supply/Back Light Block (Right Side)

14.5. Video Decoder/OSD Block (Left Side)

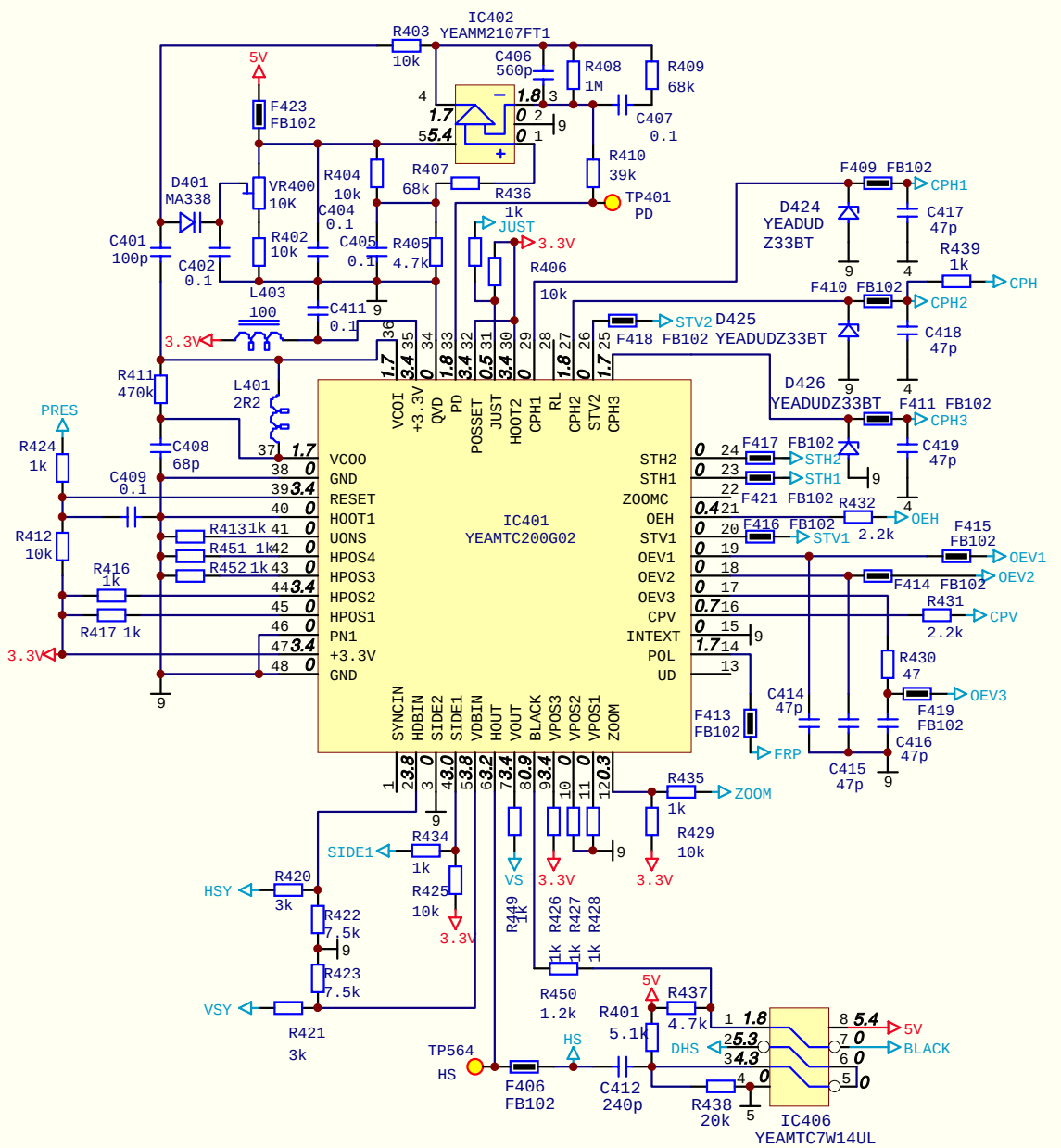
14.6. Video Decoder/OSD Block (Right Side)

14.7. Panel Driver Block (Left Side)

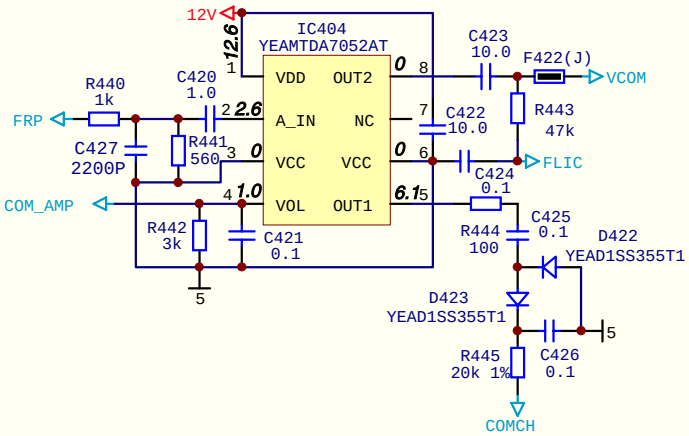
14.8. Panel Driver Block (Right Side)

14.9. MCU/EEPROM Block, Sensor Block (Left Side)

14.10. MCU/EEPROM Block, Sensor Block (Right Side)



TFT controller



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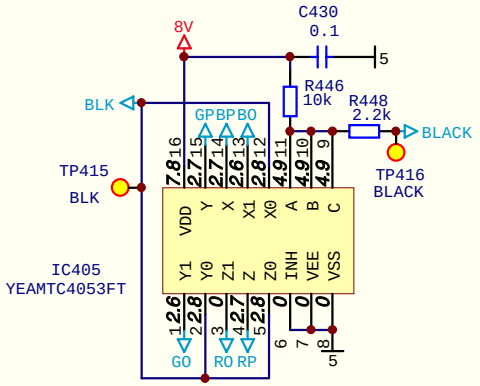
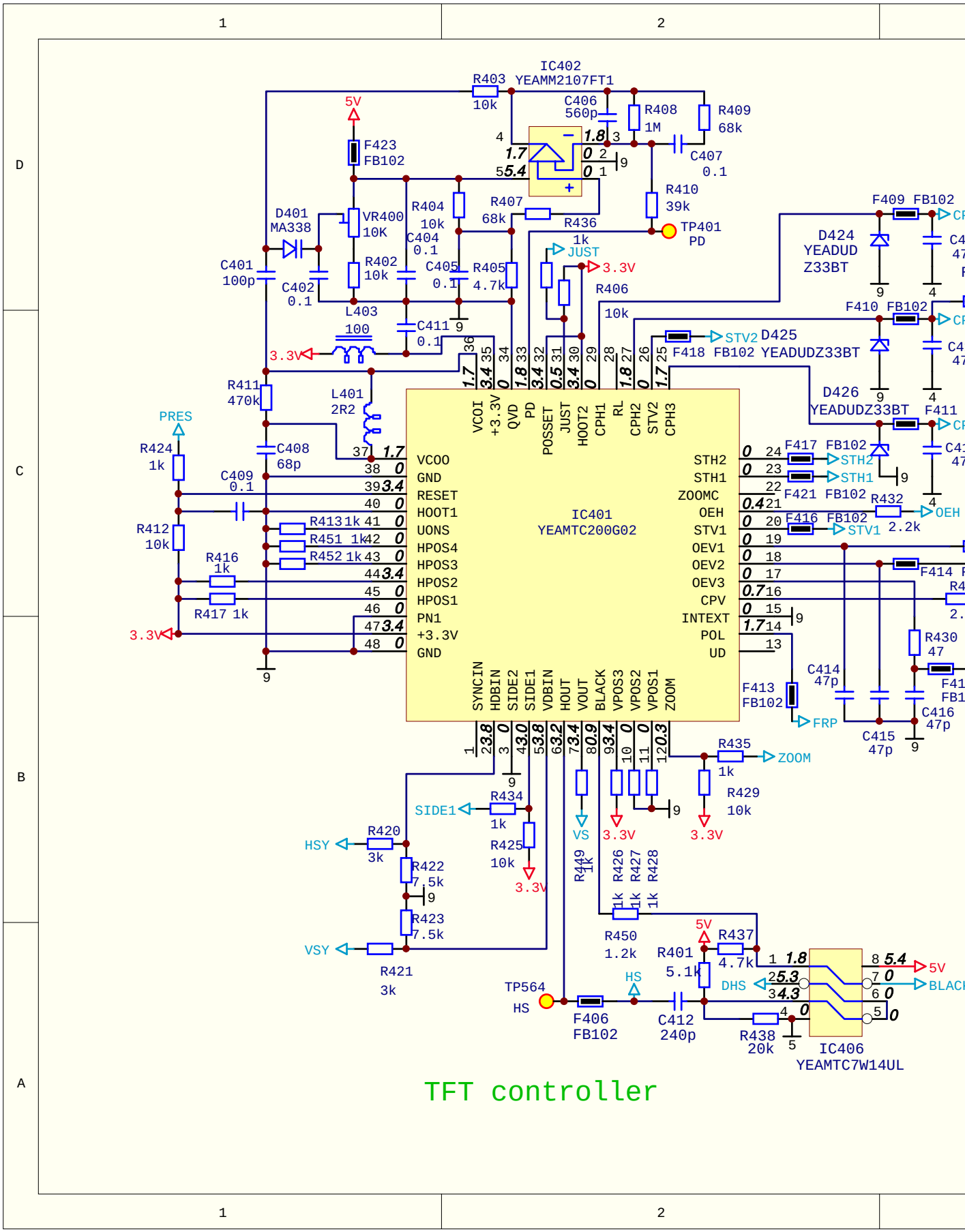
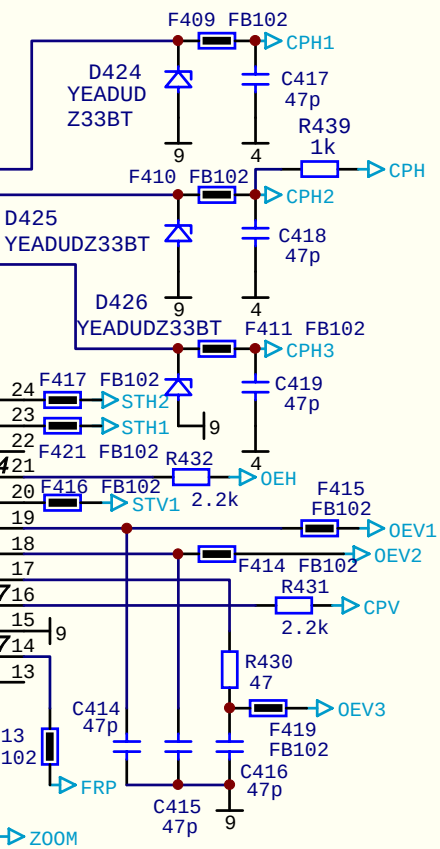
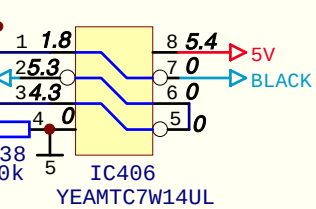


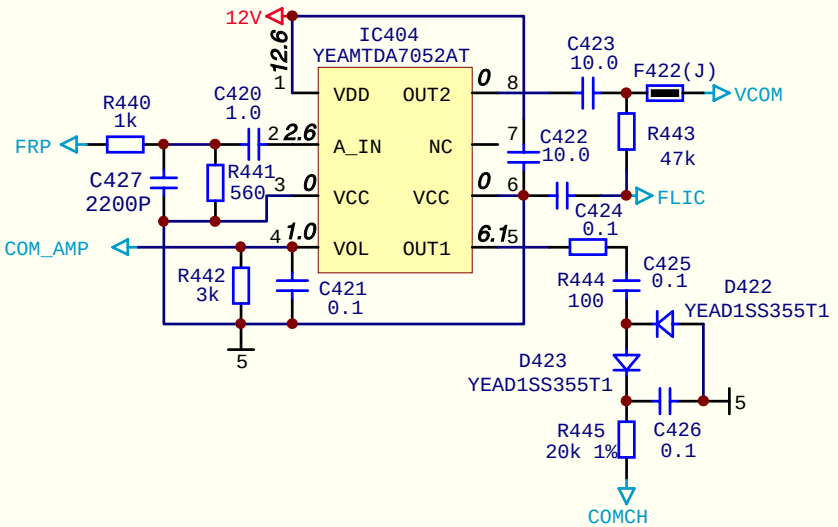
CY-VMR5800N MONITOR(4/5) [Panel Driver]

13.4. Panel Driver Block









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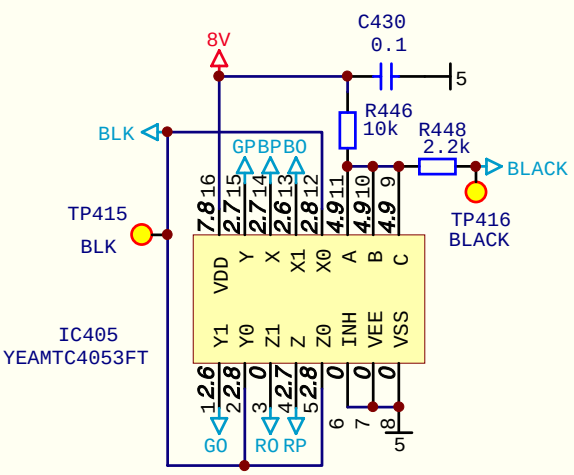
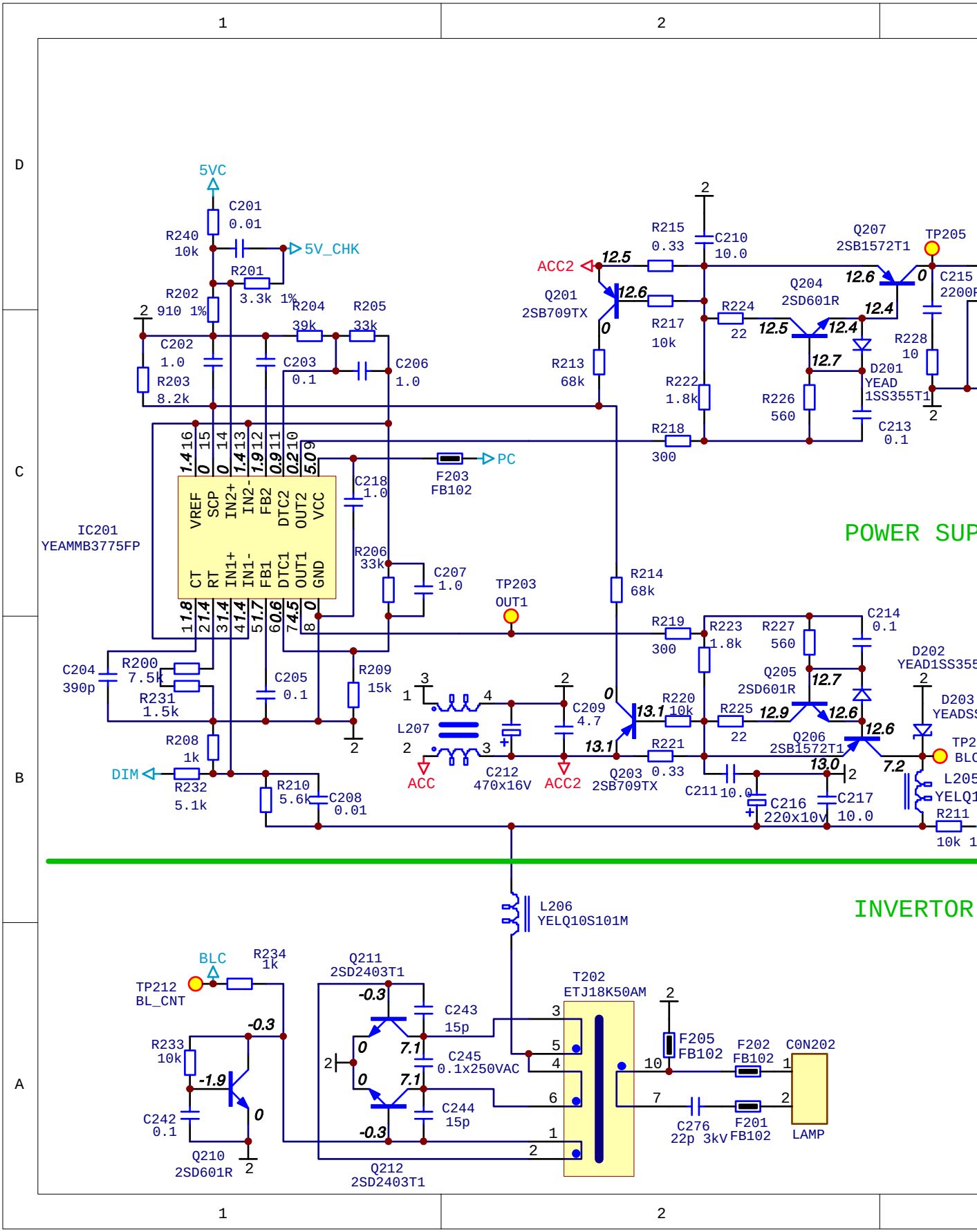
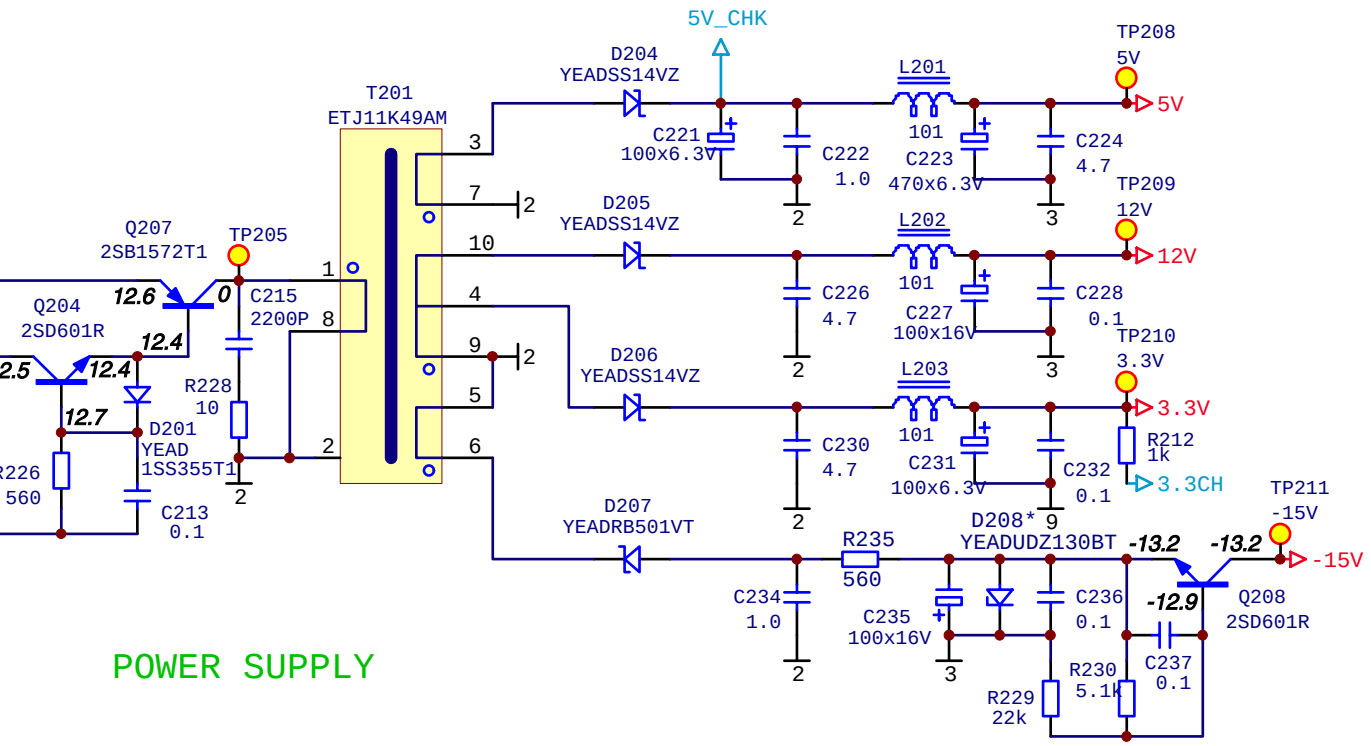
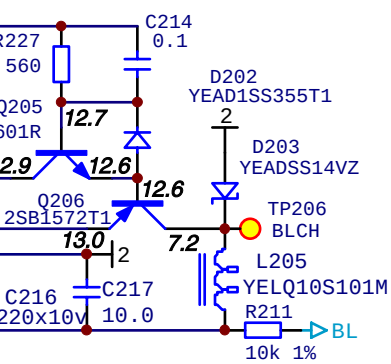


CY-VMR5800N MONITOR(4/5) [Panel Driver]

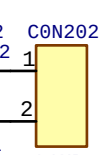
13.2. Power Supply/Back Light Block



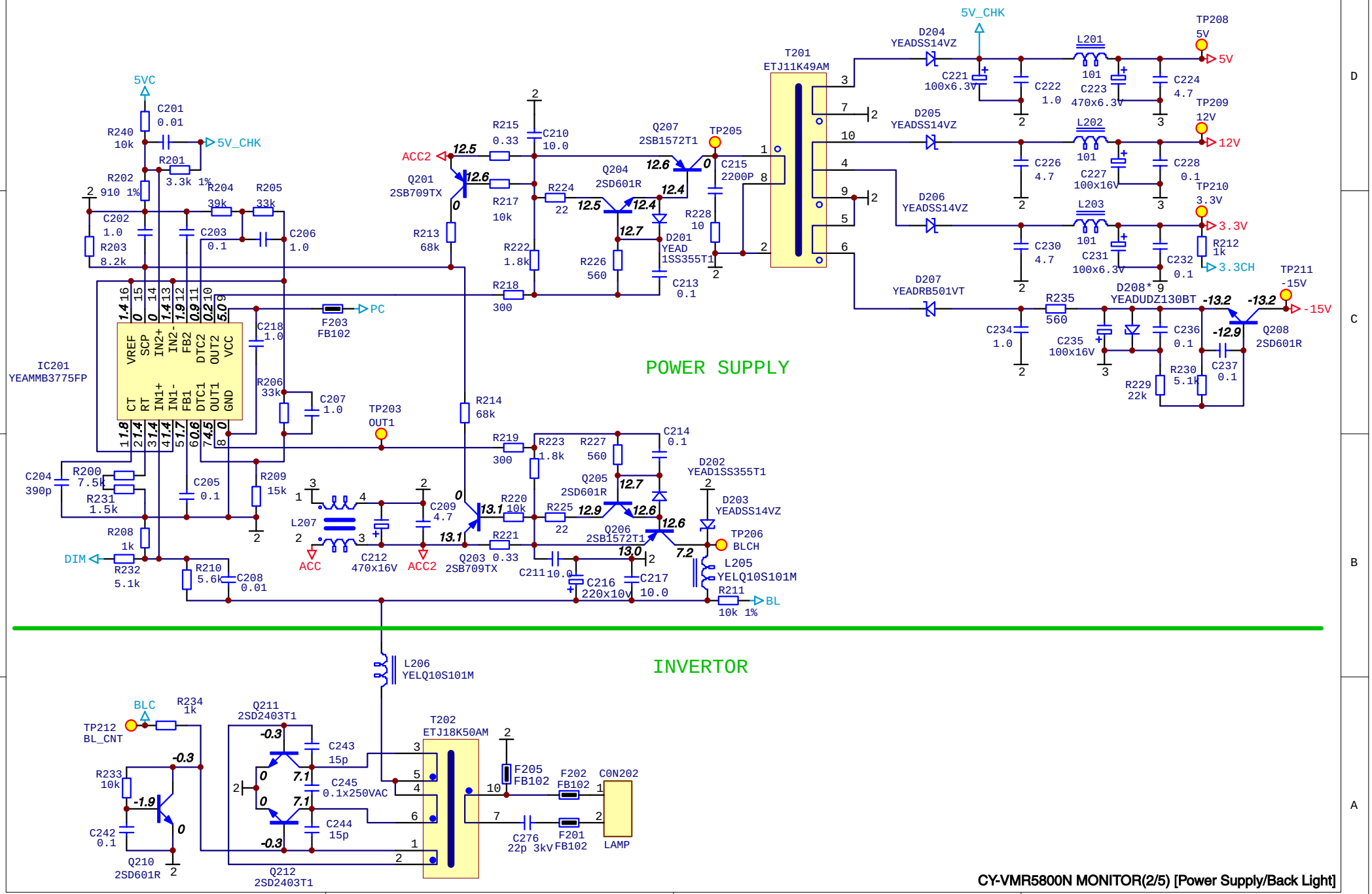


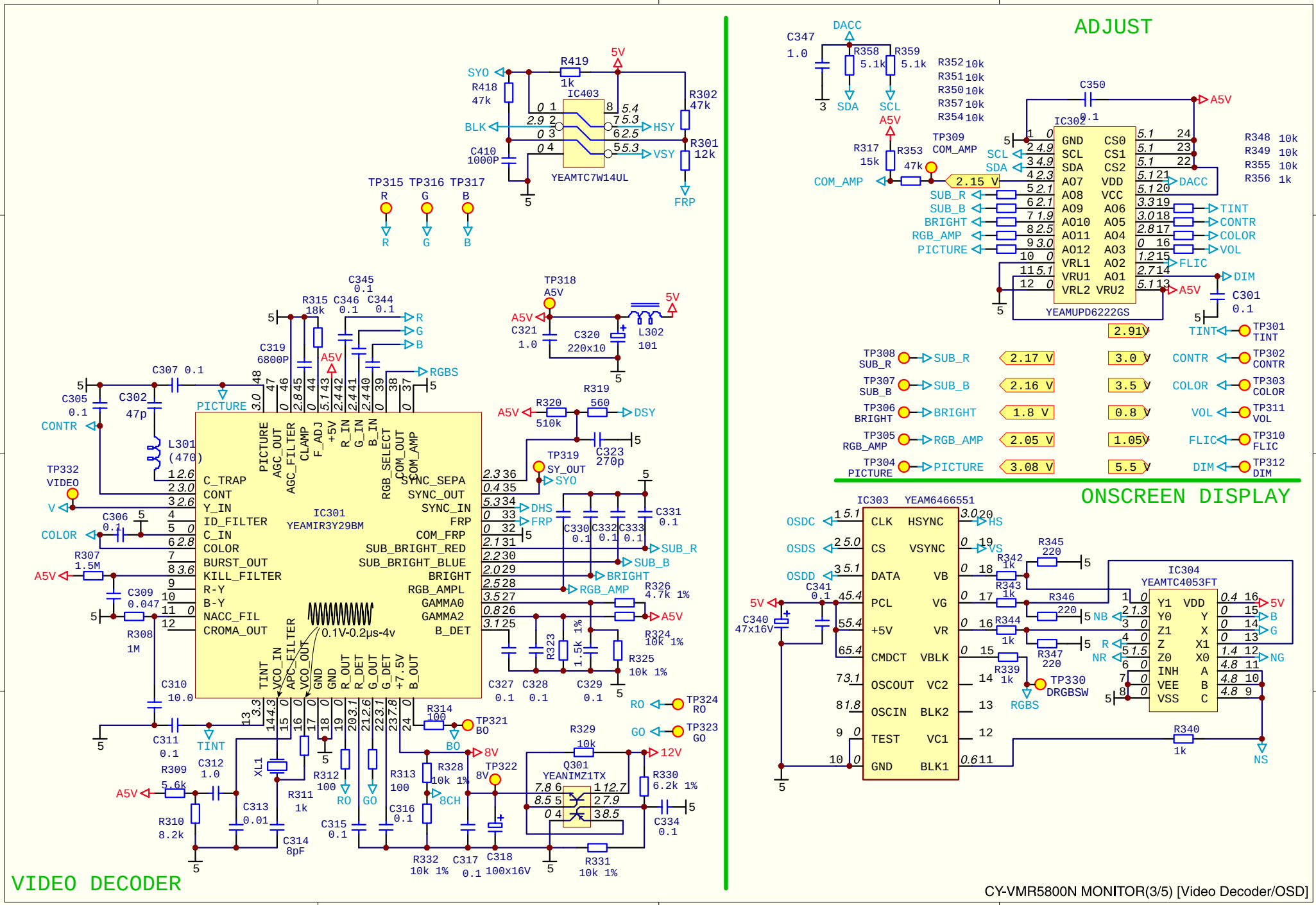


INVERTOR

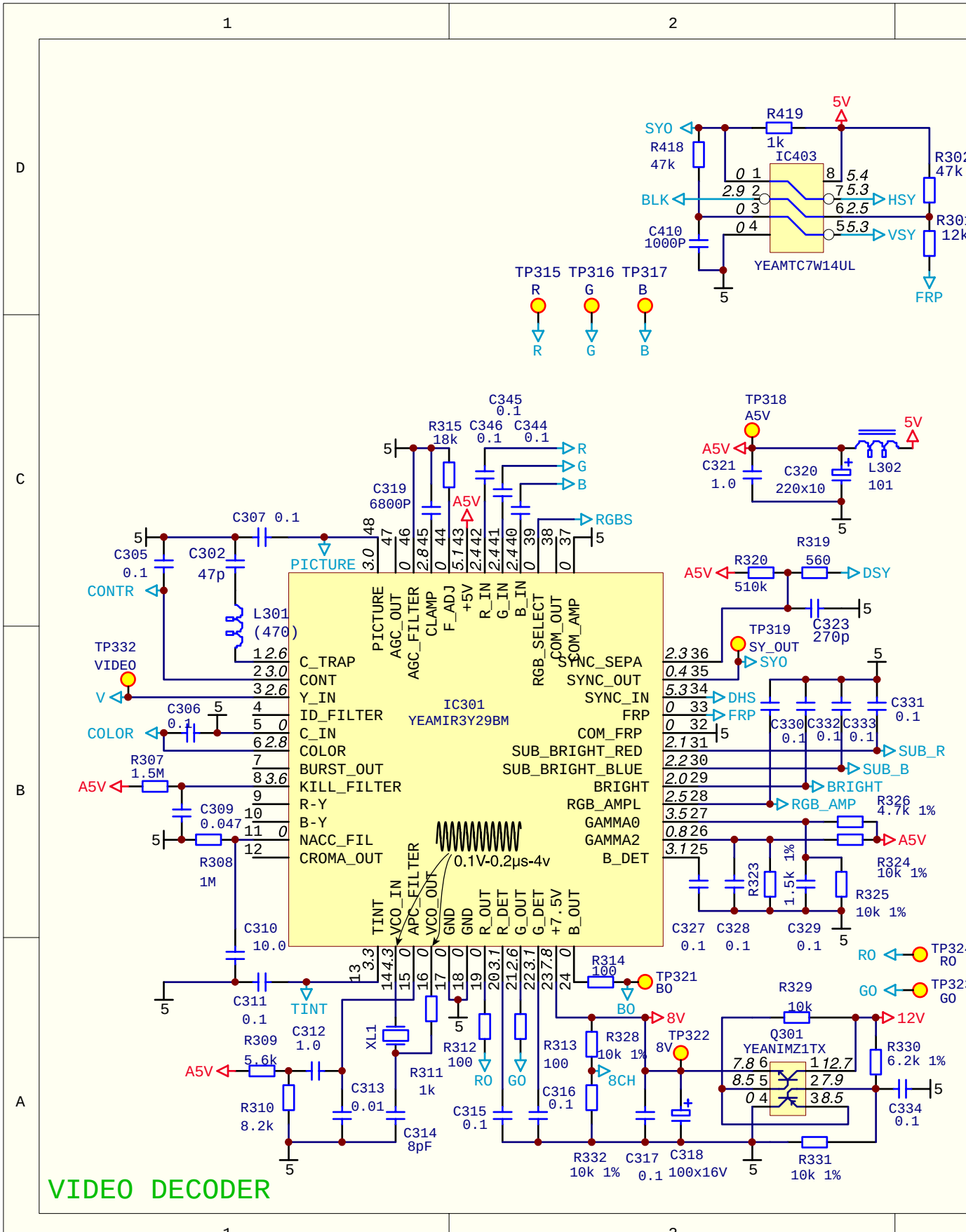


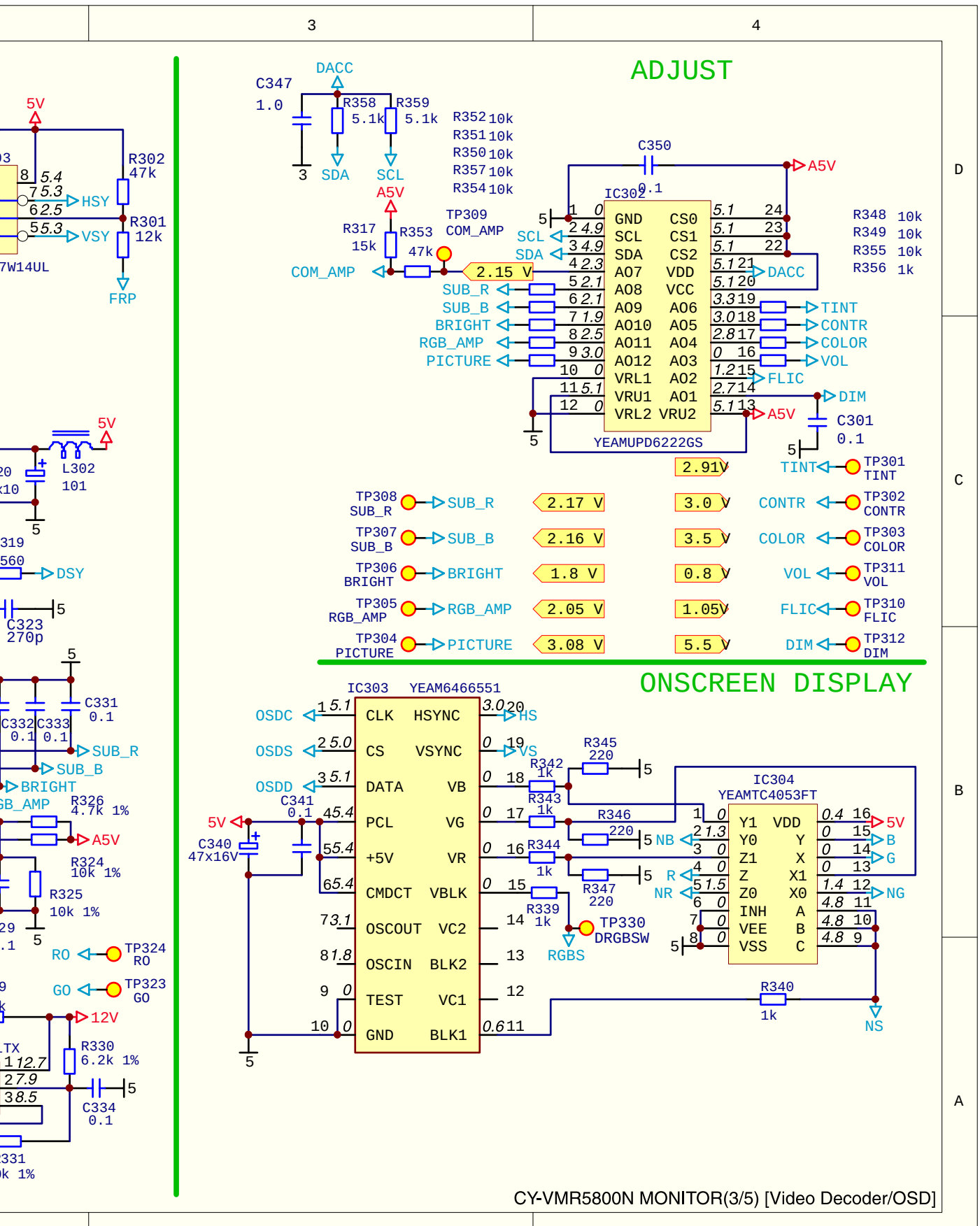
CY-VMR5800N MONITOR(2/5) [Power Supply/Back Light]

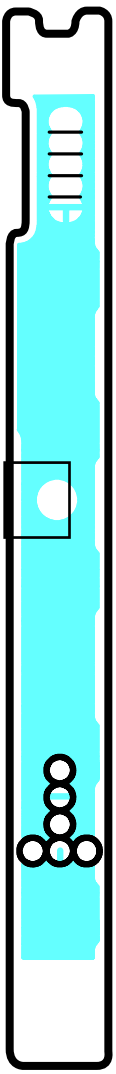

POWER SUPPLY
INVERTOR
IC201
YEAMMB3775FP
T201
ETJ11K49AM
T202
ETJ18K50AM
5VC
5V_CHK
PC
DIM
BLC
BL
ACC
ACC2
TP203
OUT1
TP205
TP206
BLCH
TP208
5V
TP209
12V
TP210
3.3V
TP211
-15V
3.3CH
TP212
BL_CNT
L205
YELQ10S101M
L206
YELQ10S101M
LAMP
C0N202
CY-VMR5800N MONITOR(2/5) [Power Supply/Back Light]


VIDEO DECODER
ADJUST
ONSCREEN DISPLAY
IC301
YEAMIR3Y29BM
IC303
YEAM6466551
IC304
YEAMTC4053FT
IC302
YEAMUPD6222GS
IC403
YEAMTC7W14UL
Q301
YEANIMZ1TX
CY-VMR5800N MONITOR(3/5) [Video Decoder/OSD]

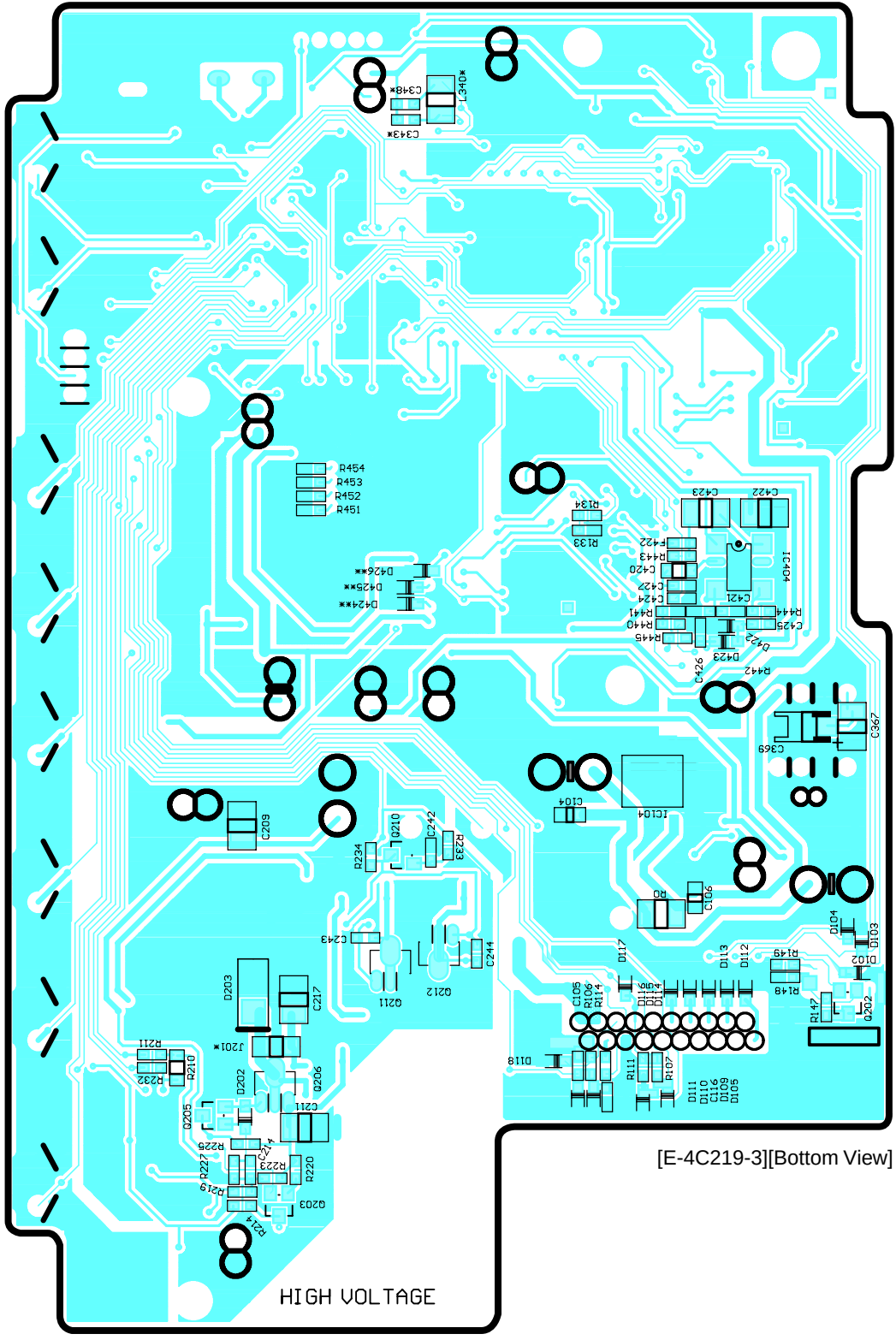
13.3. Video Decoder/OSD Block




ADJUST
ONSCREEN DISPLAY
IC302
YEAMUPD6222GS
IC303
YEAM6466551
IC304
YEAMTC4053FT
DACC
SDA
SCL
COM_AMP
SUB_R
SUB_B
BRIGHT
RGB_AMP
PICTURE
TINT
CONTR
COLOR
VOL
FLIC
DIM
OSDC
OSDS
OSDD
HS
VS
NB
R
NR
NG
RGBS
NS
TP330
DRGBSW
CY-VMR5800N MONITOR(3/5) [Video Decoder/OSD]

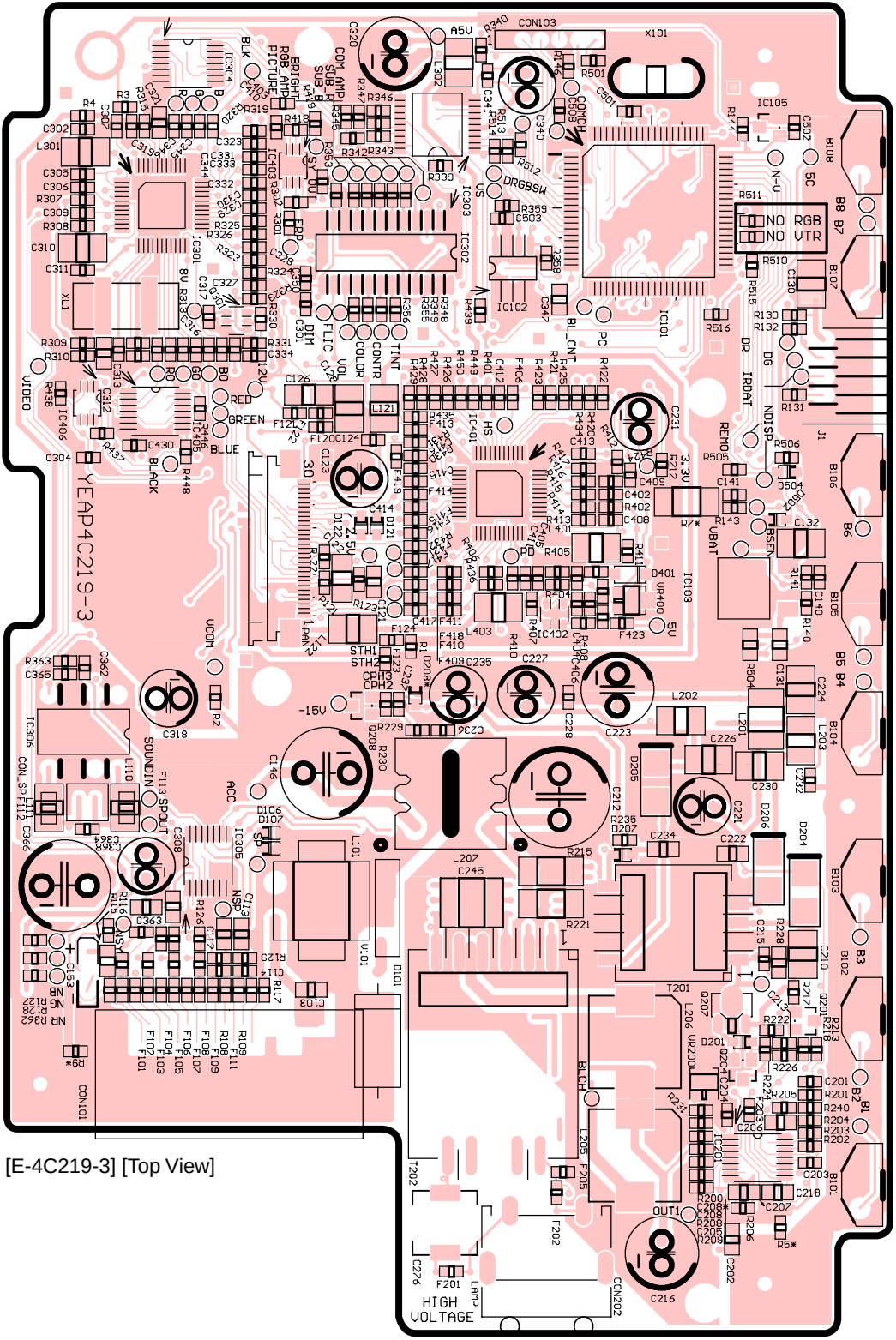


[E-4C219-3]
[Bottom View]

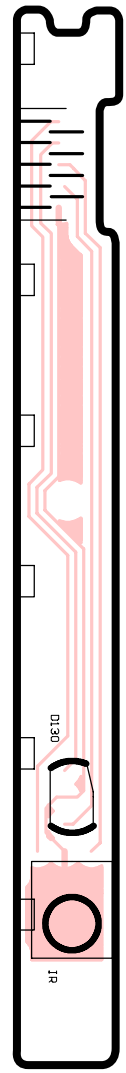


[E-4C219-3][Bottom View]

CY-VMR5800N
MONITOR/SENSOR P.C.B.[Bottom View]

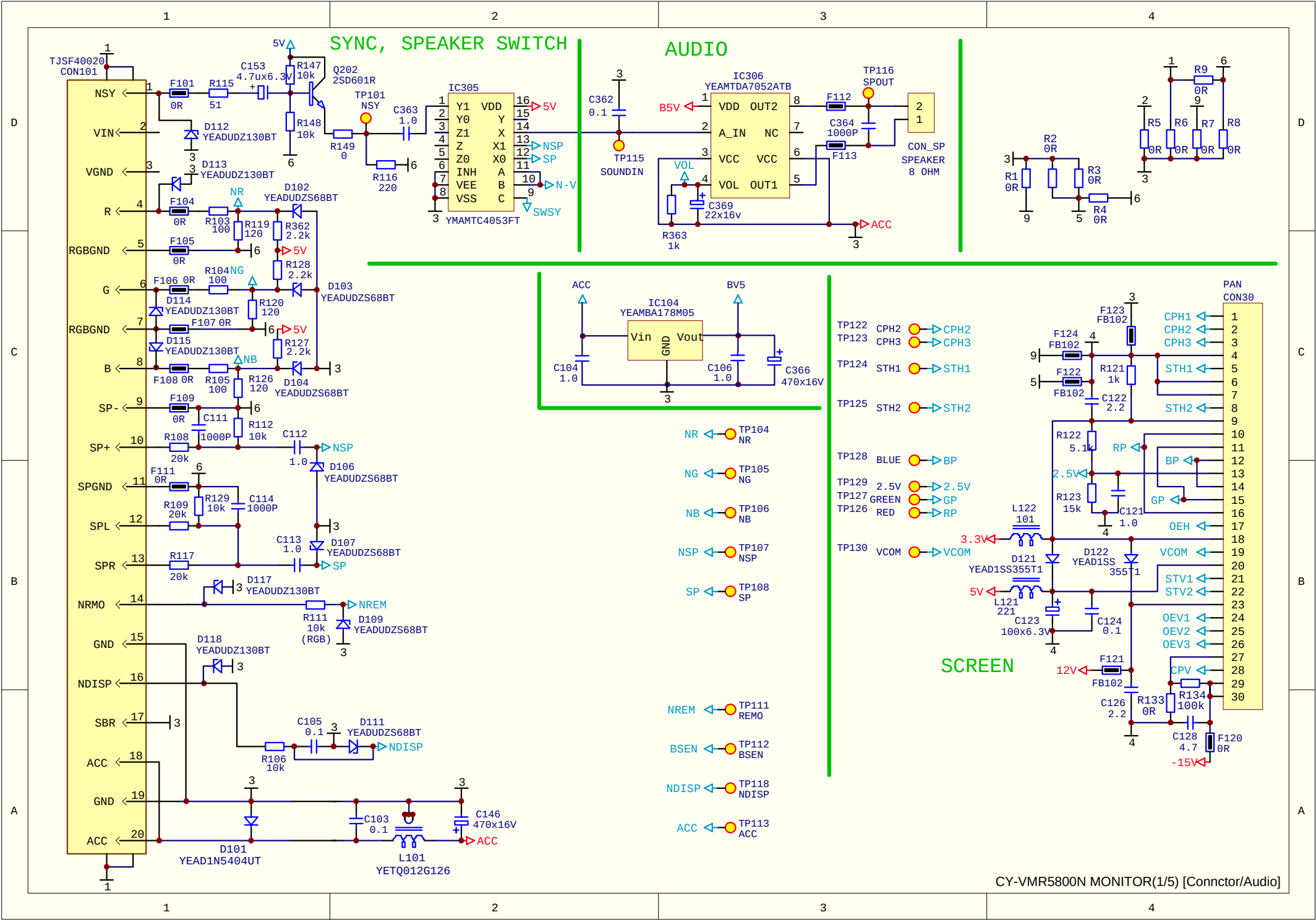


[E-4C219-3] [Top View]



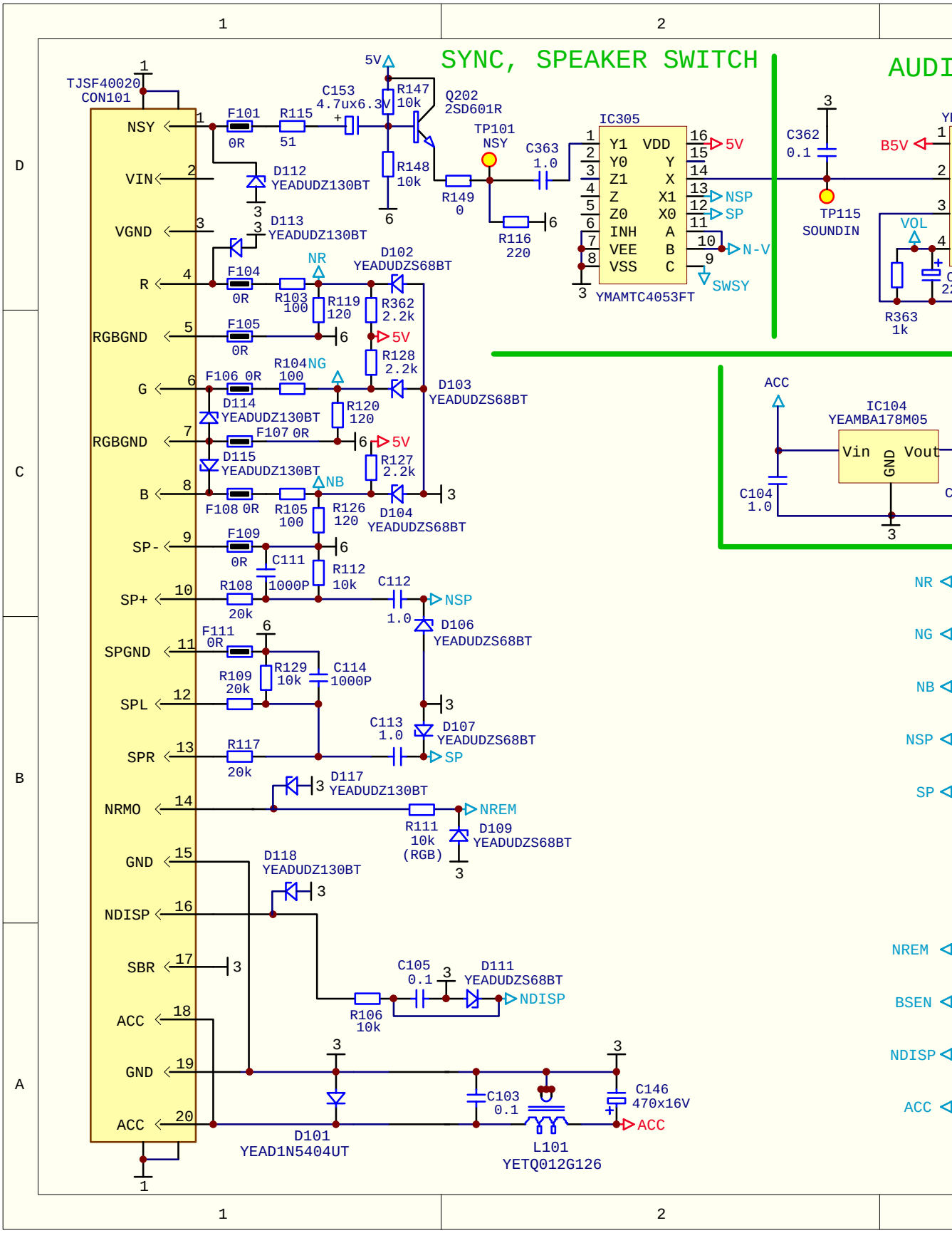
[E-4C219b] [Top View]

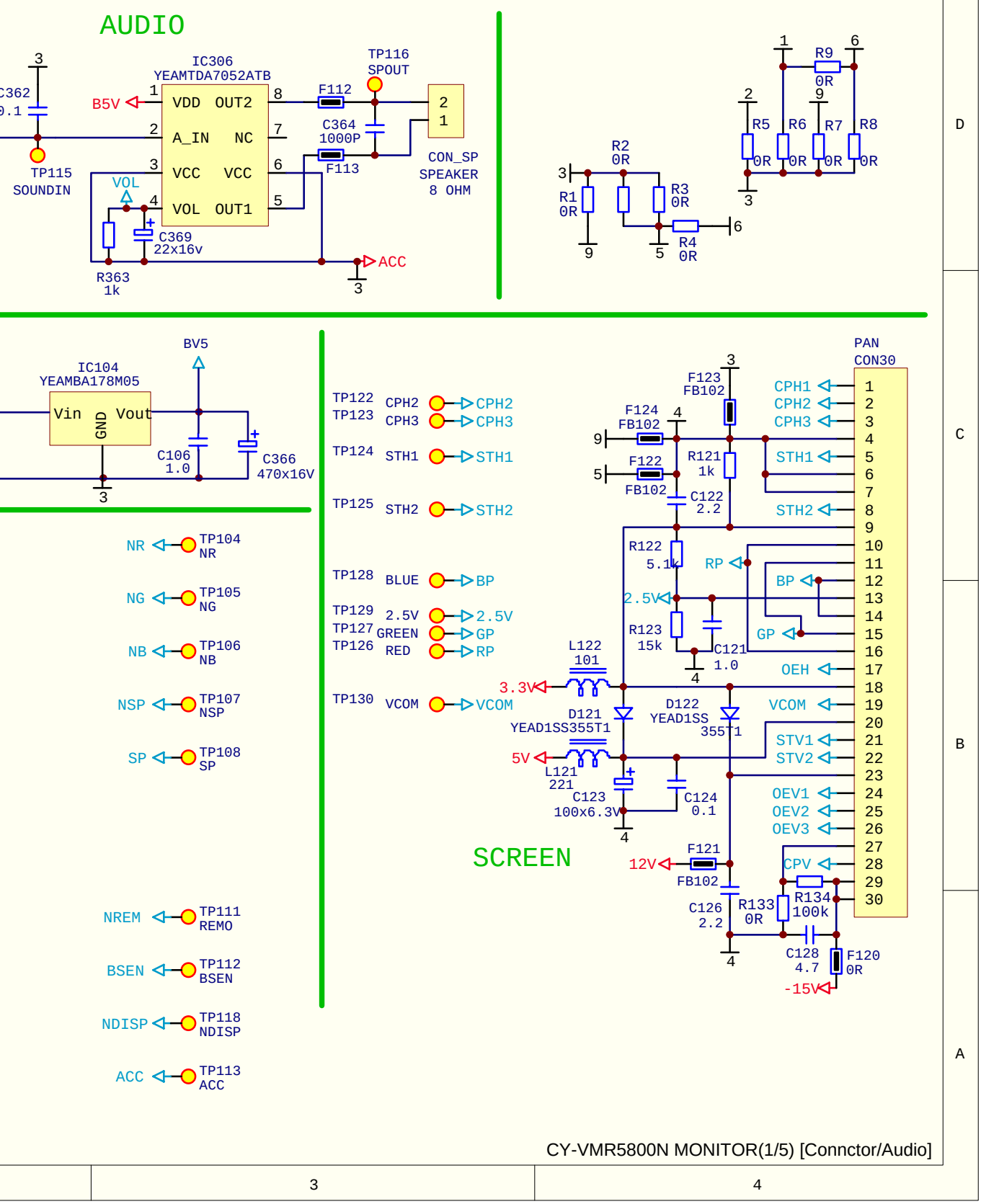
CY-VMR5800N
MONITOR/SENSOR P.C.B.[Top View]


SYNC, SPEAKER SWITCH
AUDIO
SCREEN
TJSF40020
CON101
NSY
VIN
VGND
R
RGBGND
G
RGBGND
B
SP-
SP+
SPGND
SPL
SPR
NRMO
GND
NDISP
SBR
ACC
GND
ACC
F101
R115
51
C153
4.7ux6.3V
R147
10k
Q202
2SD601R
R148
10k
R149
0
TP101
NSY
R116
220
C363
1.0
IC305
Y1 VDD
Y0 Y
Z1 X
Z X1
Z0 X0
INH A
VEE B
VSS C
YMAMTC4053FT
D112
YEADUDZ130BT
D113
YEADUDZ130BT
F104
R103
100
R119
120
R362
2.2k
D102
YEADUDZS68BT
F105
R128
2.2k
R104
100
F106
D114
YEADUDZ130BT
R120
120
D103
YEADUDZS68BT
F107
D115
YEADUDZ130BT
R127
2.2k
F108
R105
100
R126
120
D104
YEADUDZS68BT
F109
C111
1000P
R112
10k
R108
20k
C112
1.0
D106
YEADUDZS68BT
F111
R109
20k
R129
10k
C114
1000P
C113
1.0
D107
YEADUDZS68BT
R117
20k
D117
YEADUDZ130BT
R111
10k
(RGB)
D109
YEADUDZS68BT
D118
YEADUDZ130BT
C105
0.1
D111
YEADUDZS68BT
R106
10k
C103
0.1
C146
470x16V
D101
YEAD1N5404UT
L101
YETQ012G126
C362
0.1
TP115
SOUNDIN
IC306
YEAMTDA7052ATB
VDD OUT2
A_IN NC
VCC VCC
VOL OUT1
B5V
VOL
C369
22x16v
R363
1k
F112
C364
1000P
F113
TP116
SPOUT
CON_SP
SPEAKER
8 OHM
R1
0R
R2
0R
R3
0R
R4
0R
R5
0R
R6
0R
R7
0R
R8
0R
R9
0R
ACC
IC104
YEAMBA178M05
Vin GND Vout
BV5
C104
1.0
C106
1.0
C366
470x16V
NR
NG
NB
NSP
SP
NREM
BSEN
NDISP
ACC
TP104
NR
TP105
NG
TP106
NB
TP107
NSP
TP108
SP
TP111
REMO
TP112
BSEN
TP118
NDISP
TP113
ACC
TP122
TP123
CPH2
CPH3
TP124
STH1
TP125
STH2
TP128
BLUE
TP129
TP127
TP126
2.5V
GREEN
RED
BP
GP
RP
TP130
VCOM
PAN
CON30
F123
FB102
F124
FB102
F122
FB102
R121
1k
C122
2.2
R122
5.1k
R123
15k
C121
1.0
L122
101
D121
YEAD1SS355T1
D122
YEAD1SS
355T1
L121
221
C123
100x6.3V
C124
0.1
F121
FB102
C126
2.2
R133
0R
R134
100k
C128
4.7
F120
0R
3.3V
12V
-15V
CPH1
CPH2
CPH3
STH1
STH2
RP
BP
GP
OEH
VCOM
STV1
STV2
OEV1
OEV2
OEV3
CPV
CY-VMR5800N MONITOR(1/5) [Connctor/Audio]

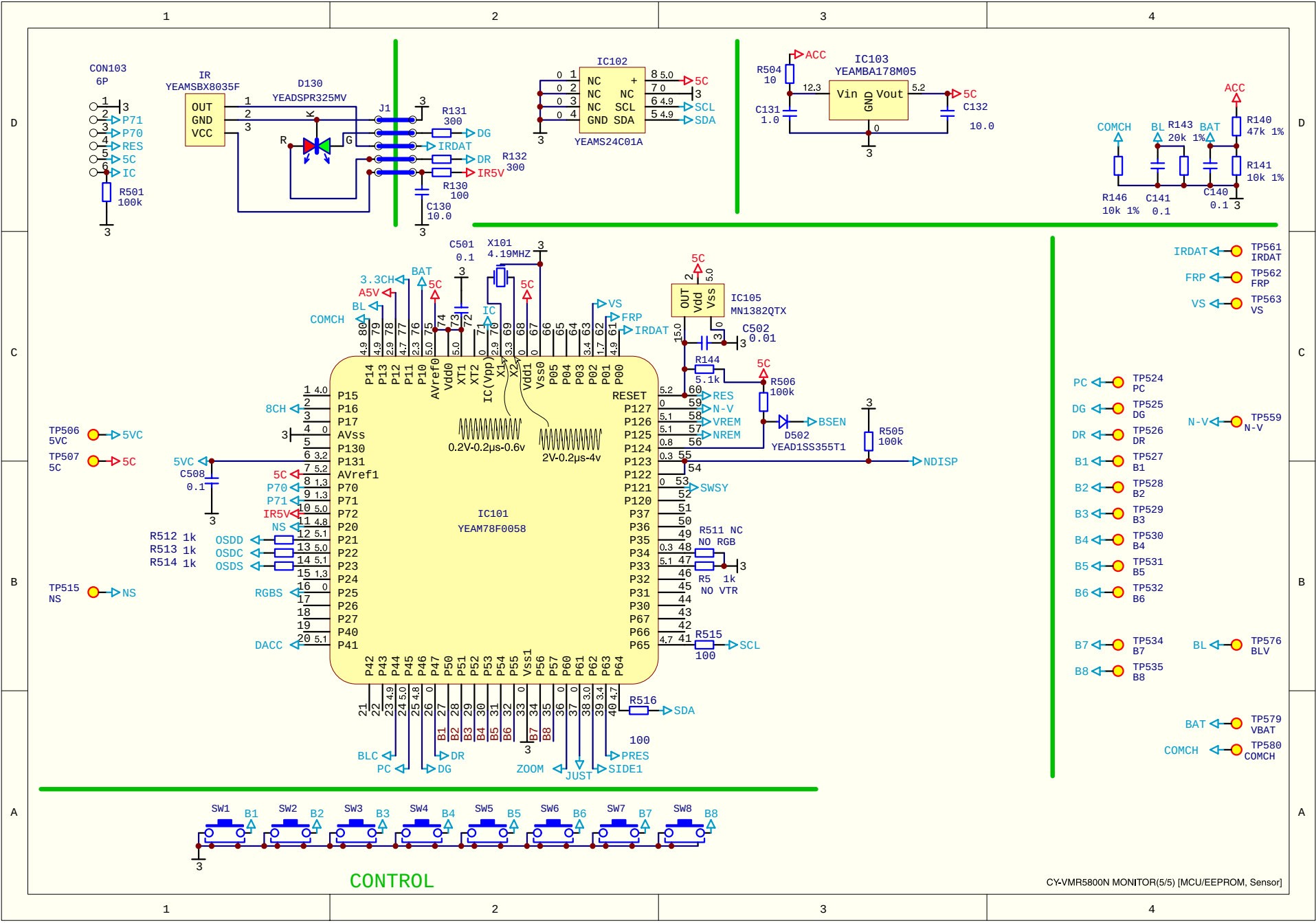
13 SCHEMATIC DIAGRAM

13.1. Connector/Audio Block

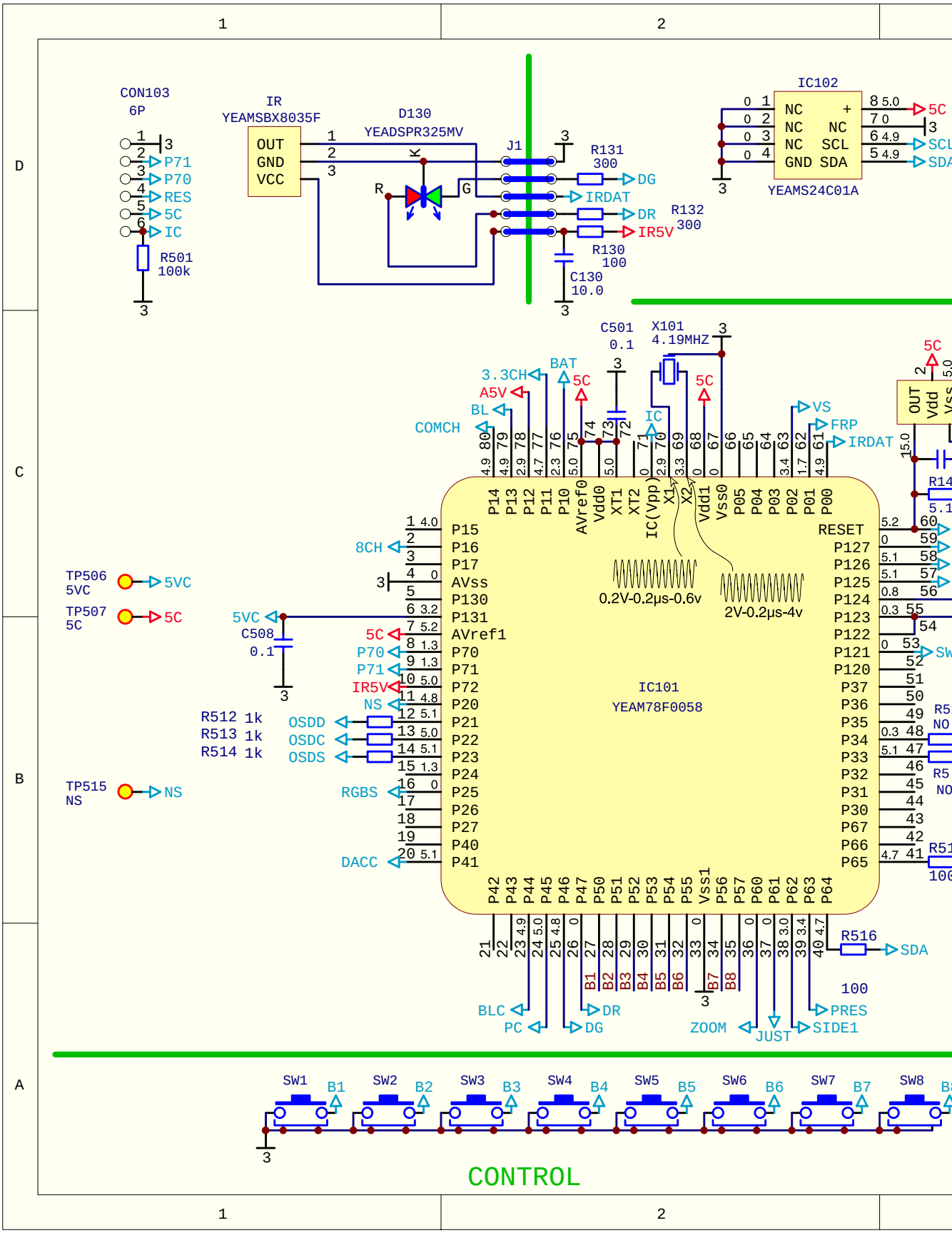


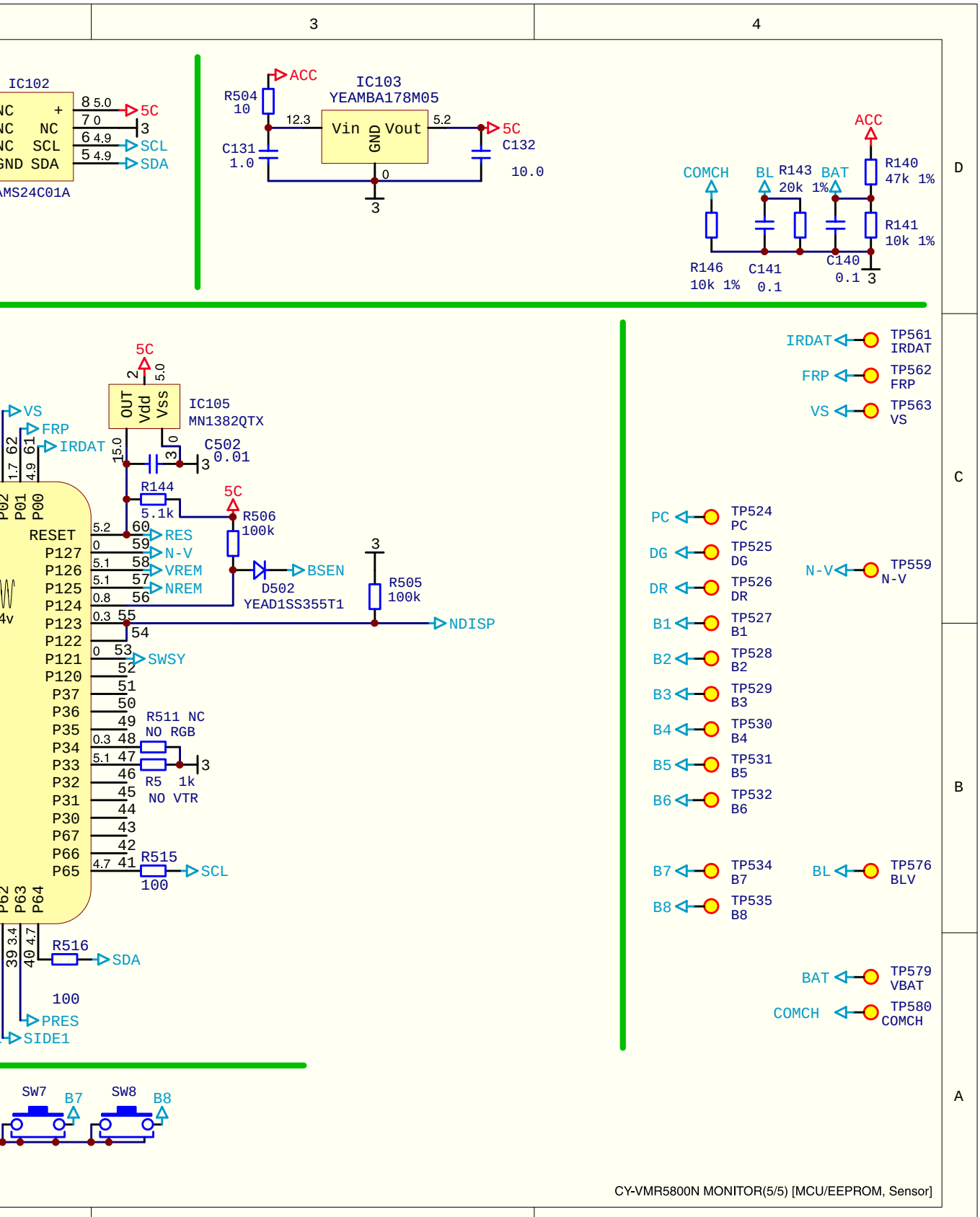


CY-VMR5800N MONITOR(1/5) [Connctor/Audio]


CON103
6P
R501
100k
IR
YEAMSBX8035F
D130
YEADSPR325MV
J1
R131
300
R132
300
R130
100
C130
10.0
IC102
YEAMS24C01A
IC103
YEAMBA178M05
R504
10
C131
1.0
C132
10.0
IC105
MN1382QTX
C502
0.01
R144
5.1k
R506
100k
D502
YEAD1SS355T1
R505
100k
C501
0.1
X101
4.19MHZ
IC101
YEAM78F0058
0.2V-0.2μs-0.6v
2V-0.2μs-4v
R512 1k
R513 1k
R514 1k
C508
0.1
R511 NC
NO RGB
R5 1k
NO VTR
R515
100
R516
100
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
B1
B2
B3
B4
B5
B6
B7
B8
CONTROL
TP506
5VC
TP507
5C
TP515
NS
TP561
IRDAT
TP562
FRP
TP563
VS
TP524
PC
TP525
DG
TP526
DR
TP527
B1
TP528
B2
TP529
B3
TP530
B4
TP531
B5
TP532
B6
TP534
B7
TP535
B8
TP559
N-V
TP576
BLV
TP579
VBAT
TP580
COMCH
R140
47k 1%
R141
10k 1%
R143
20k 1%
R146
10k 1%
C140
0.1
C141
0.1
CY-VMR5800N MONITOR(5/5) [MCU/EEPROM, Sensor]

13.5. MCU/EEPROM Block, Sensor Block





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